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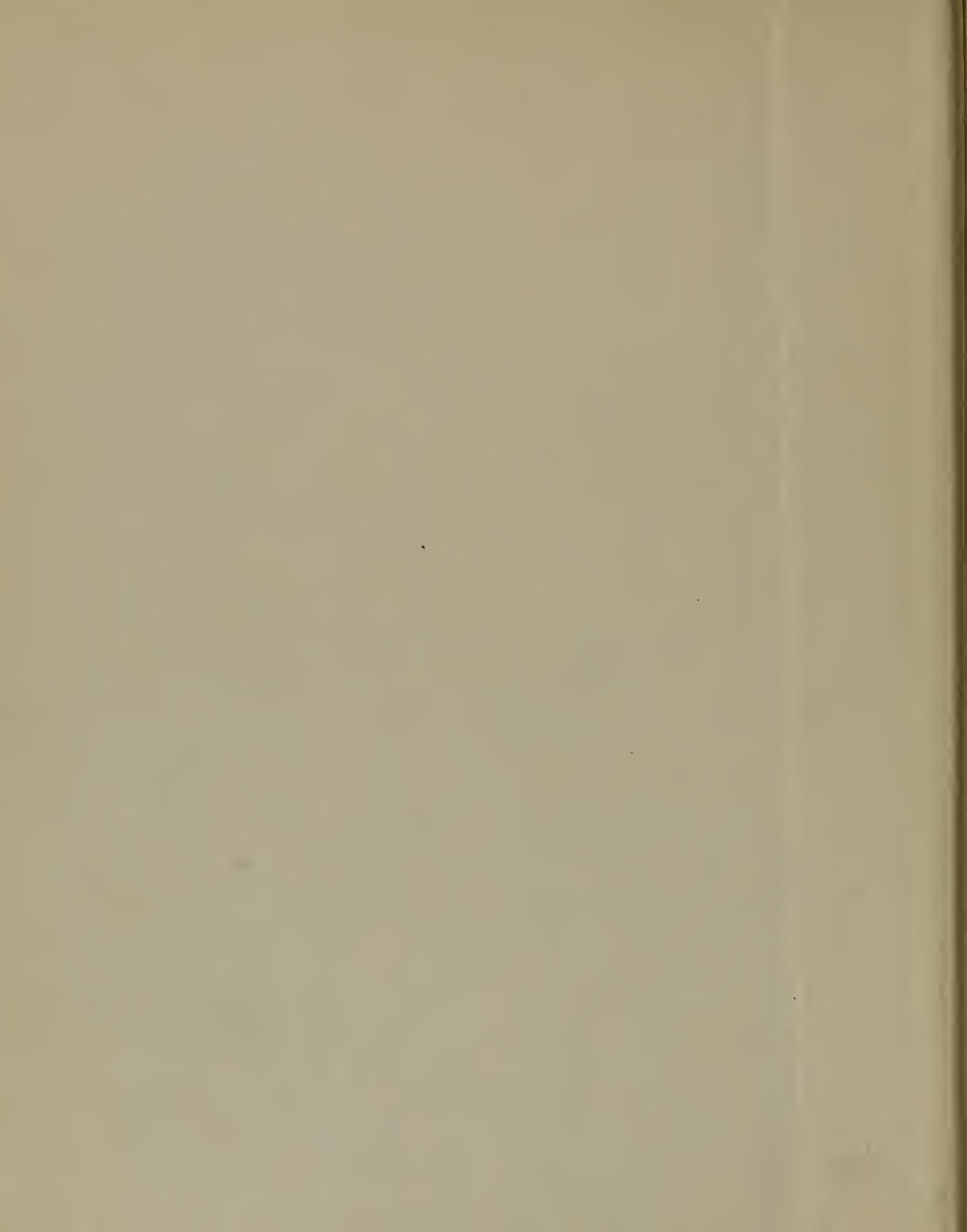
## 1963 CENSUS OF MANUFACTURES

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MC63(1)-8  
(Supplement)

# 1963 CENSUS OF MANUFACTURES



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Issued August 1968

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# 1963

## Census of Manufactures

### Publication Program

#### VOLUME I. SUMMARY AND SUBJECT STATISTICS

In addition to a summary chapter presenting the basic data historically for industries and geographic areas, separate chapters present data on a subject basis. Chapter titles are as follows:

1. General Summary
2. Size of Establishments
3. Type of Organization
4. Manufacturers' Inventories
5. Expenditures for Plant and Equipment
6. Power Equipment in Manufacturing Industries
7. Fuels and Electric Energy
8. Selected Materials Consumed
9. Selected Metalworking Operations
10. Water Use in Manufacturing
11. Concentration Ratios in Manufacturing Industries

Three special reports are also included in this volume: Manufacturing Activity in Government Establishments, Shipments of Defense Oriented Industries, and Origin of Exports of Manufactured Products. Each of the chapters in this volume was previously published as a separate report (Series MC63(1)-, numbers 1 to 10. Chapter 11 was issued as a special report for the Senate Subcommittee on Antitrust and Monopoly.)

#### VOLUME II. INDUSTRY STATISTICS

This volume contains separate chapters for each of 80 groups of related industries which cover approximately 430 individual industries. Statistics are shown on detailed product shipments and materials consumption in terms of quantity and value, cost of fuels and electric energy, value added by manufacture, employment, payrolls, inventories, and capital expenditures. Selected statistics are included for earlier census years. This volume is published in two parts. Part 1 contains a general summary chapter and chapters for SIC Major Groups 20 to 28, as well as chapters for related industries within these major groups; Part 2 contains chapters for SIC Major Groups 29 to 39 and 19 as well as chapters for related industries within these major groups. A special report, Manufacturing Activity in Government

Establishments, is included in both parts of this volume. The 80 related-industry chapters were previously published as separate reports in series MC63(2)-, 19A to 39D.

#### VOLUME III. AREA STATISTICS

This volume contains separate chapters for each State and the District of Columbia. The statistics include all-manufacturing totals for the State and its standard metropolitan statistical areas, counties, and cities with populations of 10,000 or more, with industry detail for the larger areas. The volume also includes a summary chapter presenting data for each of the nine geographic divisions and a special report, Manufacturing Activity in Government Establishments. Each State chapter was previously published as a separate report in Series MC63(3)-, 1 to 51.

#### OTHER REPORTS

Two series of reports have been issued showing the number of manufacturing establishments in each of the approximately 430 manufacturing industries classified according to their employment size class and the State and county within which they are located. The first series places emphasis on the industry, showing data by location (State and county). Nine separate reports present data for 20 major industry groups. The second series places emphasis on the location showing data by industry. Nine reports—one for each of the nine geographic divisions of the United States—were published in this series. The series titles are as follows:

Location of Manufacturing Plants by Industry, County, and Employment Size (MC63(S)-3, numbers 1 to 9)

Location of Manufacturing Plants by County, Industry, and Employment Size (MC63(S)-4, numbers 1 to 9)

## The 1963 Census of Mineral Industries Publication Program

The 1963 Census of Mineral Industries was conducted jointly with the census of manufactures. This census was similar in scope and in publication program. Final results are published in two volumes, as follows:

Volume I. Summary and Industry Statistics, contains a summary chapter, 5 subject-type chapters, and 18 chapters showing related mineral industries.

Volume II. Area Statistics, contains separate chapters for each State (Delaware, Maryland, and the District of Columbia are combined).



## INTRODUCTION

This publication supplements the information on consumption of materials previously published in the 1963 Census of Manufactures. It provides estimates based on large plant reports for selected groupings of components and materials which it was generally not considered feasible to include on an across-the-board basis in the census proper. A supplemental survey on Form MA-131 was used to collect this information from large establishments in selected chemical, machinery and equipment industries. The first supplementary material survey in this series covered the year 1958. The present report covering 1963, shows the comparable 1958 figures. A list of the industries covered is given in appendix table A on page 69.

The supplementary survey was conducted primarily to facilitate improvement in the work on the national accounts by the Office of Business Economics and the staff of that agency shared importantly in the planning of the survey. The additional information in this report on materials, components, parts, supplies and containers consumed should be considered approximate. Manufacturers were asked to estimate a great deal more than for the usual census report form, and therefore the data are subject to the variations resulting from such estimates. The figures developed from the supplemental survey were obtained by distributing the cost of "All other" materials shown in the Census publications for each industry on the basis of the detail reported by the large plants.

In the regular census of manufactures table 7A, the amount of materials, parts, etc., reported separately by material for these industries was typically 40 percent or less. Use of the supplementary 1963 data increased this figure to the 80 to 90 percent level. The expanded table 7A beginning on page 2 includes the data previously published in the 1963 Census of Manufactures industry reports for each industry and reproduced in volume II, followed by the additional detail obtained in the supplementary surveys for 1963 and 1958. Appendix table B provides summary information on the proportion of materials consumed that was reported in specific categories in the census and in the supplemental sample.

A copy of a sample MA-131 report form and instructions are printed on pages 72 and 73 of this report.

## Materials Consumed by Kind, 1963 and 1958

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 2812--ALKALIES AND CHLORINE					
	Total materials, parts, containers, and supplies.....	159	(X)	123	(X)
	Not specified by kind (n.s.k.).....	1	(X)	(NA)	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	158	100	123	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Inorganic chemicals:					
Acids, except spent acids:					
281931	Sulfuric acid.....	1	1	1	1
281912	Ammonia, synthetic, anhydrous.....	2	1	2	2
281228	Sodium carbonate (soda ash).....	1	1	(D)	(D)
Organic chemicals:					
281401	Benzol (benzene).....	3	2	3	2
Used as raw materials:					
331210	Coke, including breeze.....	4	2	6	5
131302	Natural gas.....	1	1	(D)	(D)
970099	All other materials and components, containers, and supplies.....	146	92	111	90
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
10010	Iron and ferroalloy ores, including tungsten, chromite, nickel, manganese, molybdenum, and cobalt.....	1	1	(NA)	(NA)
10020	Nonferrous metallic ores and concentrates.....	1	1	(NA)	(NA)
14010	Crude nonmetallic minerals, including limestone, clays, gypsum, talc, etc.....	17	11	13	11
14700	Crude chemical minerals, including barite, borate, potash, fluorspar, rock salt, and sulfur.....	2	1	3	2
26000	Paper and paperboard products, except paperboard boxes and containers.....	2	1	4	3
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	5	3	2	2
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	37	23	(NA)	(NA)
28104	Styrenes, all forms (except resins).....	1	1	(NA)	(NA)
28192	Calcium carbide.....	2	1	10	8
28193	Brine.....	10	7	(NA)	(NA)
28194	Activated carbon.....	2	1	(NA)	(NA)
28992	Evaporated salt.....	4	3	4	3
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	8	5	(NA)	(NA)
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	4	3	2	2
35592	Parts and attachments for chemical industry machinery and equipment.....	28	19	22	18
99999	All other materials, containers, supplies, etc., not listed above.....	22	14	(NA)	(NA)
INDUSTRY 2815--INTERMEDIATE COAL TAR PRODUCTS					
	Total materials, parts, containers, and supplies.....	483	(X)	376	(X)
	Not specified by kind (n.s.k.).....	11	(X)	20	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	472	100	356	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Inorganic chemicals:					
Acids, except spent acids:					
281944	Hydrochloric acid.....	4	1	1	(Z)
281911	Nitric acid.....	3	1	2	1
281931	Sulfuric acid.....	6	1	4	1
281912	Ammonia, synthetic anhydrous.....	4	1	6	2
281211	Chlorine.....	9	2	(D)	(D)
281228	Sodium carbonate (ash soda).....	2	(Z)	1	(Z)
281238	Sodium hydroxide (caustic soda).....	11	2	(D)	(D)
Organic chemicals:					
281852	Alcohol, ethyl (pure and denatured).....	1	(Z)	3	1
281820	Other alcohols, including amyl, butyl, methyl, and propyl.....	11	2	5	1
281511	Aniline.....	3	1	4	1
281401	Benzol (benzene).....	38	8	50	14
Liquefied petroleum and refinery gases for chemical feedstocks:					
291155	Ethylene.....	23	5	(NA)	(NA)
291156	Propylene.....	1	(Z)	(NA)	(NA)
291159	Other, including mixtures (excluding amounts returned).....	11	2	(NA)	(NA)
281402	Naphthalene grades of 77.5° C or higher.....	4	1	10	3
281513	Phenol.....	2	(Z)	2	1
281514	Phthalic anhydride.....	2	(Z)	4	1
Crude materials:					
147701	Sulfur.....	4	1	4	1
333348	Zinc and zinc-base alloy refinery shapes.....	1	(Z)	(Z)	(Z)
131302	Used as raw materials:				
	Natural gas.....	7	2	-	-
970099	All other materials and components, parts, containers, and supplies consumed.....	325	69	259	73

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 2815--INTERMEDIATE COAL TAR PRODUCTS--Continued						
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
10010	Iron and ferroalloy ores, including tungsten, chromite, nickel, manganese, molybdenum and cobalt.....	1	(Z)	2	1	
10020	Nonferrous metallic ores and concentrates.....	1	(Z)	1	(Z)	
13112	Petroleum crude (used as raw material).....	6	1	4	1	
14700	Crude chemical minerals, including barite, borate, potash, fluorspar, rock salt and sulfur.....	5	1	1	(Z)	
20010	Processed food products, including distilled liquors, malt, milk and whey, molasses, sugar.....	1	(Z)	1	(Z)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	4	1	3	1	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	170	36	20	6	
28103	Cresols (ortha, meta, para) and cresylic acid.....	2	(Z)	(NA)	(NA)	
28105	Toluene and xylene.....	1	(Z)	(NA)	(NA)	
28132	Acetylene.....	1	(Z)	(NA)	(NA)	
28152	Chlorobenzene, monomer.....	2	(Z)	(NA)	(NA)	
28153	Ethylbenzene.....	2	(Z)	(NA)	(NA)	
28193	Brine.....	1	(Z)	(NA)	(NA)	
28210	Plastics and resin materials, including moulding and extrusion.....	1	(Z)	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	1	(Z)	(NA)	(NA)	
28992	Evaporated salt.....	2	(Z)	1	(Z)	
28994	Fatty acids, including stearic, oleic, palmitic.....	1	(Z)	(NA)	(NA)	
29110	Lubricating oils, greases, and other refined petroleum products.....	11	2	(NA)	(NA)	
32740	Lime, including quick lime and hydrated lime.....	1	(Z)	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubings, wire) excluding materials previously reported in Item 17 of applicable report form.....	2	(Z)	3	1	
33120	Blast furnace and steel mill products.....	25-10	-	(NA)	(NA)	
33990	Metal powders, flakes and paste (ferrous and nonferrous).....	5	1	2	1	
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	6	1	4	1	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	3	1	4	1	
35592	Parts and attachments for chemical industry machinery and equipment.....	23	5	14	4	
58186	Carbon disulfide.....	1	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	71	15	(NA)	(NA)	
INDUSTRY 2818--ORGANIC CHEMICALS, N.E.C.						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	1,765	(X)	1,239	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	131	(X)	26	(X)	
		1,634	100	1,213	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Inorganic chemicals:						
Acids, except spent acids:						
281944	Hydrochloric acid.....	7	(Z)	3	(Z)	
281946	Hydrofluoric acid.....	9	1	6	1	
281911	Nitric acid.....	7	1	(D)	(D)	
281948	Phosphoric acid.....	1	(Z)	1	(Z)	
281931	Sulfuric acid.....	19	1	10	1	
281912	Ammonia, synthetic, anhydrous.....	26	2	12	1	
281211	Chlorine.....	65	4	52	4	
281996	Phosphorus, elemental.....	1	(Z)	(NA)	(NA)	
281228	Sodium carbonate (soda ash).....	1	(Z)	(D)	(D)	
281238	Sodium hydroxide (caustic soda).....	22	1	(D)	(D)	
Organic chemicals:						
Alcohol, ethyl (pure and denatured).....						
281852	Other alcohols, including amyl, butyl, methyl and propyl.....	38	2	32	3	
281820	Aniline.....	56	3	23	2	
281511	Benzol (benzene).....	8	1	4	(Z)	
281401	Formaldehyde.....	34	2	38	3	
281823	Liquefied petroleum and refinery gases for chemical feedstocks:	3	(Z)	3	(Z)	
291155	Ethylene.....	52	3	(NA)	(NA)	
291154	Propane.....	26	1	(NA)	(NA)	
291156	Propylene.....	26	2	(NA)	(NA)	
291159	Other, including mixtures.....	51	3	(NA)	(NA)	
281402	Naphthalene.....	14	1	(NA)	(NA)	
281513	Phenol.....	22	2	15	1	
281514	Phthalic anhydride.....	6	(Z)	12	1	
Crude materials:						
147701	Sulfur.....	14	1	8	1	
Used as raw materials:						
121011	Bituminous coal and lignite.....	8	(Z)	(NA)	(NA)	
291101	Fuel oil.....	1	(Z)	1	(Z)	
131302	Natural gas.....	43	3	15	1	
970099	All other materials and components, parts, containers and supplies consumed.....	1,073	66	978	81	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 2818--ORGANIC CHEMICALS, N.E.C.--Continued						
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
07010	Forestry products, crude, domestic, and imported, including barks, gums, leaves, etc.....	5	(X)	(NA)	(NA)	
08010	Agricultural products, including grains, potatoes, and sorghum.....	2	(Z)	(NA)	(NA)	
10010	Iron and ferroalloy ores, including tungsten chromite, nickel, manganese, molybdenum, and cobalt.....	3	(Z)	1	(Z)	
10020	Nonferrous metallic ores and concentrates.....	1	(Z)	1	(Z)	
13112	Petroleum, crude (used as raw material).....	9	1	(NA)	(NA)	
14010	Crude nonmetallic minerals, including limestone, clays, gypsum, talc.....	2	(Z)	1	(Z)	
14700	Crude chemical minerals, including barite, borate, potash, fluorspar, rock salt, and sulfur.....	16	1	11	1	
20010	Processed food products, including distilled liquors, malt, milk and whey, molasses, sugar.....	12	1	15	1	
20900	Fats and oils, animal and vegetable (except fatty acids).....	3	(Z)	(NA)	(NA)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	7	(Z)	7	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	19	1	6	(Z)	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	487	30	499	41	
28012	Acetone (natural and synthetic).....	13	1	21	2	
28103	Cresols (ortha, meta, para) and cresylic acid.....	6	(Z)	(NA)	(NA)	
28104	Styrenes, all forms (except resins).....	6	(Z)	(NA)	(NA)	
28105	Toluene and xylene.....	7	(Z)	(NA)	(NA)	
28132	Acetylene.....	11	1	(NA)	(NA)	
28152	Chlorobenzene, monomer.....	4	(Z)	(NA)	(NA)	
28192	Calcium carbide.....	1	(Z)	(NA)	(NA)	
28193	Brine.....	5	(Z)	(NA)	(NA)	
28194	Activated carbon.....	1	(Z)	(NA)	(NA)	
28210	Plastic and resin materials, including moulding and extrusion.....	19	1	(NA)	(NA)	
28412	Glycerin (crude and refined).....	3	(Z)	1	(Z)	
28992	Evaporated salt.....	2	(Z)	1	(Z)	
28994	Fatty acids, including stearic, oleic, palmitic.....	12	1	10	1	
29110	Lubricating oils, greases and other refined petroleum products.....	2	(Z)	(NA)	(NA)	
32740	Lime, including quicklime and hydrated lime.....	41	3	4	(Z)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forging, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	71	4	45	4	
33990	Metal powders, flakes, and paste (ferrous and nonferrous).....	6	(Z)	3	(Z)	
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	49	3	32	3	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	29	2	16	1	
35592	Parts and attachments for chemical industry machinery and equipment.....	48	3	36	3	
58186	Carbon disulfide.....	3	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	168	10	(NA)	(NA)	
INDUSTRY 2819--INORGANIC CHEMICALS, N.E.C.						
Total materials, parts, containers and supplies.....						
	Not specified by kind (n.s.k.).....	1,142	(X)	856	(X)	
	Total materials, parts, containers, supplies, less n.s.k.....	69	(X)	45	(X)	
		1,073	100	811	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Inorganic chemicals:						
Acids, except spent acids:						
281944	Hydrochloric acid.....	3	(Z)	2	(Z)	
281946	Hydrofluoric acid.....	3	(Z)	5	1	
281911	Nitric acid.....	2	(Z)	2	(Z)	
281948	Phosphoric acid.....	17	2	(D)	(D)	
281931	Sulfuric acid.....	18	2	23	3	
281912	Ammonia, synthetic, anhydrous.....	17	2	16	2	
281211	Chlorine.....	8	1	6	1	
281996	Phosphorus, elemental.....	79	7	58	7	
281228	Sodium carbonate (soda ash).....	47	4	44	5	
281238	Sodium hydroxide (caustic soda).....	21	2	15	2	
Organic chemicals:						
281852	Alcohol, ethyl (pure and denatured).....	1	(Z)	1	(Z)	
281820	Other alcohols, including amyl, butyl, methyl, and propyl.....	2	(Z)	1	(Z)	
281513	Phenol.....	6	1	(NA)	(NA)	
Crude materials:						
105101	Bauxite.....	176	16	103	13	
147501	Phosphate rock.....	38	4	(NA)	(NA)	
147901	Pyrites.....	11	1	5	1	
147701	Sulfur.....	45	4	42	5	
281932	Sulfuric acid, sludge, (decomposition acid).....	6	1	7	1	
333348	Zinc and zinc-base alloy refinery shapes.....	2	(Z)	2	(Z)	
Used as raw materials:						
121011	Bituminous coal and lignite.....	2	(Z)	2	(Z)	
331210	Coke, including breeze.....	14	2	12	2	
131302	Natural gas.....	35	3	17	2	
970099	All other materials and components, parts, containers, and supplies consumed.....	520	48	448	55	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 2819--INORGANIC CHEMICALS, N.E.C.--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
10010	Iron and ferroalloy ores, including tungsten, chromite, nickel, manganese, molybdenum, and cobalt.....	77	7	46	6	
10020	Nonferrous metallic ores and concentrates.....	36	3	23	3	
14010	Crude nonmetallic minerals, including limestone, clays, gypsum, talc.....	12	1	6	1	
14700	Crude chemical minerals, including barite, borate, potash, fluorspar, rock salt, and sulfur.....	17	2	50	6	
20010	Processed food products, including distilled liquors, malt, milk and whey, molasses, sugar.....	2	(Z)	(Z)	(Z)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	15	1	10	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	12	1	8	1	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	95	9	7	1	
28132	Acetylene.....	19	2	(NA)	(NA)	
28152	Chlorobenzene, monomer.....	2	(Z)	(NA)	(NA)	
28194	Brine.....	1	(Z)	(NA)	(NA)	
28992	Evaporated salt.....	2	(Z)	2	(Z)	
28994	Fatty acids, including stearic, oleic, palmitic.....	1	(Z)	87	11	
29110	Lubricating oils, greases and other refined petroleum products.....	1	(Z)	(NA)	(NA)	
32210	Glass containers.....	9	1	10	1	
32740	Lime, including quicklime and hydrated lime.....	14	1	10	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	24	2	(NA)	(NA)	
33990	Metal powders, flakes, and paste (ferrous and nonferrous).....	5	(Z)	6	1	
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	15	1	13	2	
34900	Fabricated metal pipe, valves and pipe fittings, except plumbers'.....	6	1	5	1	
35592	Parts and attachments for chemical industry machinery and equipment.....	36	3	32	4	
36240	Carbon brushes, electrodes, and other carbon and graphite products.....	7	1	(NA)	(NA)	
49410	Water.....	1	(Z)	(NA)	(NA)	
58186	Carbon disulfide.....	1	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	110	10	(NA)	(NA)	
INDUSTRY 2821--PLASTICS MATERIALS, AND RESINS						
	Total materials, parts, containers, and supplies.....	1,260	(X)	907	(X)	
	Not specified by kind (n.s.k.).....	-	(X)	-	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	1,260	100	907	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
281825	Acrylates and methacrylates, monomers.....	44	3	-	-	
281820	Alcohols, except ethyl.....	23	2	16	2	
289501	Carbon black.....	1	(Z)	-	-	
261128	Cotton pulp.....	1	(Z)	2	(Z)	
291163	Extender oils of petroleum origin.....	5	1	(NA)	(NA)	
281823	Formaldehyde.....	17	1	14	2	
284141	Glycerin.....	13	1	16	2	
281944	Hydrochloric acid.....	1	(Z)	3	(Z)	
	Liquefied refinery and petroleum gases:					
291157	Butadiene.....	10	1	10	1	
291155	Ethylene.....	38	3	9	1	
291158	Other, including esoprene, propylene, isobutylene, etc.....	12	1	(NA)	(NA)	
281515	Melamine.....	12	1	12	1	
281513	Phenol.....	23	2	30	3	
281514	Phthalic anhydride.....	11	1	13	1	
281835	Plasticizers.....	30	2	23	3	
281238	Sodium hydroxide (caustic soda).....	13	1	10	1	
281516	Styrene.....	69	5	58	6	
281931	Sulfuric acid, except spent acid.....	6	(Z)	6	1	
281826	Urea.....	6	1	6	1	
281827	Vinyl acetate, monomer.....	21	2	12	1	
281828	Vinyl chloride, monomer.....	54	4	35	4	
261101	Wood pulp (excluding wood flour).....	38	3	38	4	
260091	Paper and paperboard containers.....	34	3	14	2	
281833	Rubber processing chemicals (accelerators, antioxidants, blowing agent inhibitors, peptizers, etc.).....	5	(Z)	-	-	
284101	Soap and detergents.....	3	(Z)	-	-	
282130	Thermoplastic resins, including modified resins.....	71	6	-	-	
282140	Thermosetting resins.....	13	1	-	-	
970099	All other materials and components, parts, containers, and supplies consumed.....	686	54	552	61	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
20900	Fats and oils, animal and vegetable (except fatty acids).....	13	1	(NA)	(NA)	
22010	Fabrics, yarn, and threads.....	1	(Z)	(NA)	(NA)	
24999	Wood flour.....	2	(Z)	(NA)	(NA)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	9	1	(NA)	(NA)	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	329	26	(NA)	(NA)	
28104	Styrenes, all forms (except resins).....	25-10	-	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 2821--PLASTICS MATERIALS, AND RESINS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY--Continued						
28106	Glycols (ethylene, propylene and others).....	26	2	(NA)	(NA)	
28142	Benzol (benzene).....	27	2	(NA)	(NA)	
28153	Ethylbenzene.....	25-10	-	(NA)	(NA)	
28154	Dyes, pigments, lakes and toners, synthetic (corresponding to U.S. Tariff Commission Chemicals Report, Sections IV and V).....	14	1	(NA)	(NA)	
28182	Acrylonitrile.....	14	1	(NA)	(NA)	
28183	Cellulose esters and ethers (except cellulose acetate).....	5	(Z)	(NA)	(NA)	
28184	Pentaerythritol.....	2	(Z)	(NA)	(NA)	
28210	Plastic and resin materials, including moulding and extrusion.....	14	1	(NA)	(NA)	
28610	Wood rosin, turpentine, and other wood chemicals, including tall oil.....	7	1	(NA)	(NA)	
29110	Lubricating oils, greases and other refined petroleum products.....	5	(Z)	(NA)	(NA)	
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	13	1	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	205	16	(NA)	(NA)	
INDUSTRY 2824--ORGANIC FIBERS, NONCELLULOUS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	463	(X)	234	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	463	100	234	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
281238	Sodium hydroxide (caustic soda).....	2	1	(NA)	(NA)	
281931	Sulfuric acid except spent acid.....	1	(Z)	(Z)	(Z)	
260091	Paper and paperboard containers.....	10	2	4	2	
970099	All other materials, components, parts, containers, and supplies consumed.....	450	97	230	98	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26000	Paper and paperboard products, except paperboard boxes and containers.....	2	(Z)	(NA)	(NA)	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	152	33	(NA)	(NA)	
28106	Glycols (ethylene, propylene and others).....	5	1	(NA)	(NA)	
28108	Caprolactam.....	37	8	(NA)	(NA)	
28155	Cyclohexane.....	13	3	(NA)	(NA)	
28182	Acrylonitrile.....	26	6	(NA)	(NA)	
28186	Adipic acid.....	99	21	(NA)	(NA)	
28187	Dimethyl terephthalate.....	30	6	(NA)	(NA)	
28195	Ammonia, synthetic, anhydrous.....	5	1	(NA)	(NA)	
28402	Soap, detergents, and sulfonated fats and oils.....	1	(Z)	(NA)	(NA)	
58182	Vinyl chloride and vinyl acetate.....	1	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	80	17	(NA)	(NA)	
INDUSTRY 2833--MEDICINALS AND BOTANICALS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	135	(X)	124	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	132	100	124	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
283318	Antibiotics for human and veterinary use (excluding antibiotics for animal feeds).....	7	5	(NA)	(NA)	
283301	Vitamins, natural and synthetic bulk (excluding vitamins for animal feeds).....	6	5	(NA)	(NA)	
Containers:						
265011	Paperboard boxes and containers.....	2	1	(NA)	(NA)	
340001	Metal.....	1	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	116	88	124	100	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
07010	Forestry products, crude domestic and imported, including barks, gums, leaves, etc....	1	1	(NA)	(NA)	
08010	Agricultural products, including grains, potatoes, and sorghum.....	3	2	6	5	
20010	Processed food products, including distilled liquors, malt, milk and whey, molasses, sugar.....	21	16	7	6	
20900	Fats and oils, animal and vegetable (except fatty acids).....	2	2	3	2	
26000	Paper and paperboard products, except paperboard boxes and containers.....	1	1	1	1	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	22	17	58	47	
28122	Sodium hydroxide.....	1	1	1	1	
28336	Hormones.....	5	4	18	15	
28337	Medicinal and botanical drugs in bulk, (uncompounded), except hormones.....	36	27			
28912	Gelatin (pharmaceutical grade) and gelatin capsules.....	1	1	2	2	
58183	Alcohols, including methyl, amyl, ethyl.....	4	3	4	3	
99999	All other materials, containers, supplies, not listed above.....	19	14	(NA)	(NA)	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 2834--PHARMACEUTICAL PREPARATIONS					
	Total materials, parts, containers, and supplies.....	671	(X)	636	(X)
	Not specified by kind (n.s.k.).....	36	(X)	83	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	635	100	553	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Containers:					
265011	Paperboard boxes and containers.....	55	9	39	7
322102	Glass.....	73	11	53	10
340001	Metal.....	21	3	15	3
307901	Plastic.....	20	3	8	1
283318	Antibiotics for human and veterinary use (excluding antibiotics for animal feeds).....	27	4	(NA)	(NA)
283317	Sulfa drugs, bulk.....	12	2	(NA)	(NA)
283301	Vitamins, natural and synthetic, bulk (excluding vitamins for animal feeds).....	36	6	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	391	62	438	79
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
07010	Forestry products, crude, domestic and imported, including barks, gums, leaves, etc.....	1	(Z)	1	(Z)
08010	Agricultural products, including grains, potatoes, and sorghum.....	6	1	5	1
20010	Processed food products, including distilled liquors, malt, milk and whey, molasses, sugar.....	36	6	25	6
20900	Fats and oils, animal and vegetable (except fatty acids).....	3	(Z)	4	1
26000	Paper and paperboard products, except paperboard boxes and containers.....	13	2	16	4
27000	Charts, chart paper, labels, coupons, and other printed material.....	1	(Z)	(Z)	(Z)
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	71	11	85	19
28012	Acetone (natural and synthetic).....	3	(Z)	(NA)	(NA)
28122	Sodium hydroxide.....	1	(Z)	1	(Z)
28312	Blood derivatives and extenders.....	4	1		
28332	Acetylsalicyclic acid.....	5	1		
28333	Alkaloids.....	11	2		
28334	Amino acids.....	1	(Z)	210	48
28335	Enzymes.....	3	(Z)		
28336	Hormones.....	17	3		
28337	Medicinal and botanical drugs in bulk (uncompounded) except hormones.....	92	14		
28413	Glycerin, soaps, and detergents.....	4	1	5	1
28912	Gelatin (pharmaceutical grade) and gelation capsules.....	14	2	12	3
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	3	(Z)	3	1
30690	Fabricated rubber products, except gaskets.....	3	(Z)	3	1
30790	Fabricated plastic products.....	5	1	1	(Z)
34613	Metal closures and crowns for glass and plastic containers.....	7	1	(NA)	(NA)
38410	Surgical and medical instruments and apparatus.....	4	1	6	1
58183	Alcohols, including methyl, amyl, ethyl.....	8	1	11	3
99999	All other materials, containers, supplies, etc., not listed above.....	75	12	(NA)	(NA)
INDUSTRY 2841--SOAP AND OTHER DETERGENTS					
	Total materials, parts, containers, and supplies.....	884	(X)	708	(X)
	Not specified by kind (n.s.k.).....	39	(X)	22	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	845	100	686	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURERS:					
Containers:					
284421	Perfume, oil mixtures and blends.....	23	3	(NA)	(NA)
281228	Sodium carbonate (sodium ash).....	5	1	5	1
281238	Sodium hydroxide (caustic soda).....	20	2	17	2
281972	Sodium tripolyphosphate (STPP).....	97	11	81	12
281973	Tetrasodium pyrophosphate (TSPP).....	14	2	9	1
281974	Trisodium phosphate (TSP).....	4	(Z)	5	1
284309	Bulk surface active agents, except sulfonated oils and fats.....	94	11	48	7
284308	Other emulsifiers, wetting agents, penetrants, etc.....	13	2	11	2
Containers:					
265011	Paperboard.....	90	11	78	11
340001	Metal.....	19	2	39	6
322102	Glass.....	8	1	12	2
307901	Plastic.....	63	7	2	(Z)
284141	Glycerine.....	10	1	(NA)	(NA)
209411	Grease and inedible tallow.....	56	7	(NA)	(NA)
281971	Potassium pyrophosphate (TKPP).....	6	1	(NA)	(NA)
209011	Vegetable oil.....	47	5	(Z)	(Z)
970099	All other materials and components, parts, containers, and supplies consumed.....	276	33	379	55

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958-Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 2841--SOAP AND OTHER DETERGENTS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26000	Paper and paperboard products, except paperboard boxes and containers.....	8	1	14	2	
27000	Charts, chart paper, labels, coupons, and other printed material.....	12	1	6	1	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry, chemicals, plating chemicals, alkalies, oxides, frit, etc.....	159	19	117	17	
28109	Bleaching compounds.....	12	1	5	1	
28130	Industrial gases, compressed and liquefied, including argon, carbon dioxide, nitrogen, nitrous oxide (except halogenated hydrocarbons).....	1	(Z)	(Z)	(Z)	
28994	Fatty acids, including stearic, oleic, palmitic.....	4	(Z)	6	1	
29000	Lubricating oils, greases, and other petroleum products including asphalt.....	2	(Z)	1	(Z)	
32950	Nonmetallic minerals and earths, ground or otherwise treated, including talc, pumice.....	4	(Z)	(NA)	(NA)	
58184	Optical bleaches.....	12	1	10	1	
99999	All other material containers, supplies, etc., not listed above.....	62	7	(NA)	(NA)	
INDUSTRY 2842--POLISHES AND SANITATION GOODS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	281	(X)	242	(X)	
	Total materials, parts, containers, supplies, less n.s.k.....	68	(X)	34	(X)	
		213	100	208	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
284309	Bulk surface active agents except sulfonated oils and fats.....	5	2	2	1	
284308	Other emulsifiers, wetting agents, penetrants, etc.....	4	2	3	1	
284421	Perfume oil mixtures and blends.....	2	1	(Z)	(Z)	
281238	Sodium hydroxide (caustic soda).....	1	(Z)	1	1	
281972	Sodium tripolyphosphate (STPP).....	1	(Z)	1	(Z)	
209011	Vegetable oil.....	1	(Z)	(Z)	(Z)	
Containers:						
265011	Paperboard.....	9	4	4	2	
340001	Metal.....	51	24	23	11	
322102	Glass.....	10	4	6	3	
307901	Plastic.....	5	2	1	(Z)	
970099	All other materials and components, parts, containers, and supplies consumed.....	123	58	168	81	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26000	Paper and paperboard products except paperboard boxes and containers.....	7	3	(NA)	(NA)	
27000	Charts, chart paper, labels, coupons, and other printed material.....	3	1	(NA)	(NA)	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	50	23	(NA)	(NA)	
28415	Finished synthetic organic detergents (bulk for further processing).....	11	5	(NA)	(NA)	
28420	Polishes and sanitation goods.....	1	(Z)	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	2	1	(NA)	(NA)	
28610	Wood rosin, turpentine, and other wood chemicals including, tall oil.....	2	1	(NA)	(NA)	
28993	Essential oils, natural.....	8	4	(NA)	(NA)	
28994	Fatty acids, including stearic, oleic, palmitic .....	3	1	(NA)	(NA)	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	15	7	(NA)	(NA)	
30790	Fabricated plastic products.....	2	1	(NA)	(NA)	
32950	Nonmetallic minerals and earths, ground or otherwise treated, including talc, pumice.....	1	(Z)	(NA)	(NA)	
34613	Metal closures and crowns for glass and plastic containers.....	2	1	(NA)	(NA)	
99999	All other materials, containers, and supplies not listed above.....	15	7	(NA)	(NA)	
INDUSTRY 2844--TOILET PREPARATIONS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	505	(X)	317	(X)	
	Total materials, parts, containers, supplies, less n.s.k.....	44	(X)	26	(X)	
		461	100	291	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Containers:						
260091	Paper and paperboard.....	55	12	45	16	
322102	Glass.....	72	16	52	18	
340001	Metal.....	70	15	39	13	
307901	Plastic.....	59	13	24	8	
970099	All other materials and components, parts, containers and supplies consumed.....	205	44	131	45	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
20900	Fats and oils, animal and vegetable (except fatty acids).....	8	2	(NA)	(NA)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	2	(Z)	4	1	
27000	Charts, chart paper, labels, coupons, and other printed materials.....	11	2	10	3	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	71	15	43	15	
28130	Industrial gases, compressed and liquefied, including argon, carbon dioxide, nitrogen, nitrous oxide (except halogenated hydrocarbons).....	8	2	1	(Z)	
28300	Drugs.....	9	2	(NA)	(NA)	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 2844--TOILET PREPARATIONS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY--Continued						
28412	Glycerin (crude and refined).....	3	2	(NA)	(NA)	
28414	Soap.....	4	1	(NA)	(NA)	
28415	Finished synthetic organic detergents (bulk for further processing).....	2	(Z)	(NA)	(NA)	
28432	Bulk surface active agents, emulsifiers, penetrants, wetting agents, detergents and sulfonated fats, oils, acids, and esters.....	11	2	5	2	
28442	Perfume oil mixtures and blends.....	20	4	15	5	
28510	Paints, varnishes, lacquers, and enamels.....	2	(Z)	1	(Z)	
28993	Essential oils, natural.....	7	2	13	10	
28994	Fatty acids, including stearic, oleic, palmitic.....	2	(Z)	1	(Z)	
29000	Lubricating oils, greases and other petroleum products, including asphalt.....	1	(Z)	1	(Z)	
30790	Fabricated plastic products.....	4	1	(NA)	(NA)	
32950	Nonmetallic minerals and earths, ground or otherwise treated, including talc, pumice.....	1	(Z)	(NA)	(NA)	
34940	Valve and pipe fittings.....	6	3	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	33	7	(NA)	(NA)	
INDUSTRY 2879--AGRICULTURAL CHEMICALS, N.E.C.						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k).....	244	(X)	192	(X)	
	Total materials, parts, containers, supplies, less n.s.k.....	244	100	38	100	
				155		
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
147701	Sulfur, crude.....	(NA)	(NA)	3	2	
970099	All other materials, and components, parts, containers, and supplies consumed.....	244	100	152	98	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
14770	Sulfur, crude.....	5	2	(1)	(1)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	3	1	4	3	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	5	2	4	3	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	70	29	53	34	
28014	Arsenic compounds, including white arsenic.....	2	1	(NA)	(NA)	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	10	4	(NA)	(NA)	
30792	Plastic containers and plastic closures for glass, metal, and plastic containers.....	1	(Z)	(NA)	(NA)	
32042	Lime (quick and hydrated) and ground earths and minerals.....	1	(Z)	(Z)	1	
34010	Metal containers, except collapsible tubes, including, shipping barrels and drums.....	8	3	5	3	
58185	Pesticides and other organic agricultural chemicals, including DDT, lindane, parathion, benzene hexachloride.....	128	52	79	51	
99999	All other materials, containers, supplies, etc., not listed above.....	11	5	(NA)	(NA)	
INDUSTRY 2891--GLUE AND GELATIN						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k).....	188	(X)	127	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	188	100	127	100	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
07010	Forestry products, crude, domestic and imported, including barks, gums, leaves, etc.....	1	1	7	6	
20460	Wet corn milling.....	13	7	(NA)	(NA)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	2	1	1	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	1	1	1	1	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	31	16	20	16	
28210	Plastic and resin materials, including moulding and extrusion.....	15	8	9	7	
28610	Wood rosin, turpentine, and other wood chemicals, including tall oil.....	43	23	18	14	
28910	Photographic gelatin.....	3	2	(NA)	(NA)	
29000	Lubricating oils, greases.....	6	3	(NA)	(NA)	
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	8	4	3	2	
99999	All other materials, containers, supplies, etc., not listed above.....	22	12	(NA)	(NA)	
INDUSTRY 2893--PRINTING INK						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k).....	135	(X)	113	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	135	100	113	100	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
14010	Crude nonmetallic minerals, including limestone, clays.....	1	1	2	2	
20900	Fats and oils, animal and vegetable (except fatty acids).....	7	5	1	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	1	1	1	1	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	69	51	58	51	
28210	Plastic and resin materials, including moulding and extrusions.....	11	8	14	12	
28510	Paints, varnishes, lacquers, and enamels.....	13	10	(NA)	(NA)	
28610	Wood rosin, turpentine, and other wood chemicals, including tall oils.....	5	4	4	4	
28950	Carbon black.....	7	5	4	4	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	10	7	(NA)	(NA)	
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	5	4	6	5	
99999	All other materials, containers, supplies, etc., not listed above.....	6	4	(NA)	(NA)	

See footnotes at end of table

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 2899--CHEMICAL PREPARATIONS, N.E.C.					
	Total materials, parts, containers, and supplies.....	383	(X)	287	(X)
	Not specified by kind (n.s.k.).....	-	(X)	-	(X)
	Total materials, parts, containers, supplies, less n.s.k.....	383	100	287	100
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
07010	Forestry products, crude, domestic and imported, including barks, gums, leaves, etc....	6	2	2	1
08010	Agricultural products including grains, potatoes, sorghums.....	3	1	6	2
14010	Crude nonmetallic minerals including limestone, clays, gypsum.....	4	1	3	1
20900	Fats and oils, animal and vegetable (except fatty acids).....	1	(Z)	3	1
26000	Paper and paperboard products except paperboard boxes and containers.....	13	3	23	8
26500	Paperboard boxes and containers including folding, corrugated, fiber and setup.....	13	3	21	7
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	189	49	153	53
28210	Plastic and resin materials including moulding and extrusion.....	1	(Z)	(NA)	(NA)
28610	Wood rosin turpentine and other wood chemicals including tall oil.....	2	1	(NA)	(NA)
28950	Carbon black.....	1	(Z)	(NA)	(NA)
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	7	2	(NA)	(NA)
34010	Metal containers, except collapsible tubes, including shipping barrels and drums.....	17	4	14	5
34613	Metal closures and crowns for glass and plastic containers.....	1	(Z)	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	124	32	(NA)	(NA)
INDUSTRY 3429--HARDWARE, N.E.C.					
	Total materials, parts, containers, and supplies.....	654	(X)	531	(X)
	Not specified by kind (n.s.k.).....	44	(X)	59	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	610	100	472	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	16	3	10	2
331012	Sheet and strip.....	111	18	82	17
331013	Plates.....	1	(Z)	1	2
331017	Wire and wire products.....	20	3	14	3
331019	All other carbon steel mill shapes and forms.....	5	1	5	1
331020	Alloy steel (except stainless).....	2	(Z)	3	1
331031	Stainless steel.....	37	6	26	6
Copper and copper-base alloy:					
335728	Bare wire (for electrical conducting).....	(D)	(D)	1	(Z)
335102	Rod, bar, and mechanical wire.....	11	2		
335123	Plate, sheet, and strip.....	17	3	25	5
335127	Pipe and tube.....	2	(Z)		
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	11	2	8	2
335205	Extruded shapes.....	7	1	5	1
335209	All other aluminum mill shapes and forms.....	5	1		
Primary metals:					
333122	Copper and copper-base alloy refinery shapes.....	5	1	4	1
333348	Zinc and zinc-base alloy refinery shapes.....	34	6	17	4
333401	Aluminum and aluminum-base alloy refinery shapes.....	2	(Z)	(NA)	(NA)
Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	20	3	14	3
332300	Steel.....	2	(Z)	5	1
336100	Aluminum and aluminum-base alloy.....	3	1	3	1
336200	Copper and copper-base alloy.....	6	1	6	1
970099	All other materials and components, parts, containers, and supplies consumed.....	292	48	243	51
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	22	4	13	3
27000	Charts, chart paper, labels, coupons, and other printed material.....	1	(Z)	(NA)	(NA)
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	31	5	8	2
28510	Paints, varnishes, lacquers, and enamels.....	4	1	4	1
30000	Fabricated rubber and plastic products, except gaskets.....	15	2	15	3
32010	Glass and glass products.....	9	1		
32900	Gaskets (all types), insulating materials, mica products and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	7	1	(NA)	(NA)
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	1	(Z)	(NA)	(NA)
33030	Nonferrous metal mill shapes and forms (bar, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	11	2	(NA)	(NA)
34290	Metal hardware.....	99	16	(NA)	(NA)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3429--HARDWARE, N.E.C.--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY--Continued						
34500	Bolts, nuts, screws, rivets, and screw machine products.....	14	2	25	5	
34610	Metal stampings.....	13	2	13	3	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	4	1	8	2	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	7	1	68	14	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	2	(Z)	(NA)	(NA)	
99999	All other materials, containers, and supplies, etc., not listed above.....	52	9	(NA)	(NA)	
INDUSTRY 3433--HEATING EQUIPMENT, EXCEPT ELECTRIC						
	Total materials, parts, containers, and supplies.....	470	(X)	413	(X)	
	Not specified by kind (n.s.k.).....	57	(X)	29	(X)	
	Total materials, parts, containers, supplies, less n.s.k.....	413	100	384	100	
AS SPECIFIED 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	2	(Z)	2	(Z)	
331012	Sheet and strip.....	59	14	64	17	
331013	Plates.....	7	2	7	2	
331015	Structural shapes.....	1	(Z)	1	(Z)	
331017	Wire and wire products.....	1	(Z)	1	(Z)	
331019	All other carbon steel mill shapes and forms.....	4	1	3	1	
331020	Alloy steel (except stainless).....	3	1	2	1	
331031	Stainless steel.....	3	1	3	1	
Copper and copper-base alloy:						
335102	Rod, bar, and mechanical wire.....	1	(Z)	8	2	
335123	Plate, sheet, and strip.....	1	(Z)			
335127	Pipe and tube.....	8	2			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	6	1	6	1	
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, etc.).....	1	(Z)	2	(Z)	
Primary metals:						
331051	Pig iron.....	4	1	5	1	
999811	Iron and steel scrap (excluding home scrap).....	4	1	4	1	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	11	3	14	4	
332300	Steel.....	1	(Z)	2	(Z)	
336100	Aluminum and aluminum-base alloy.....	3	1	1	1	
336200	Copper and copper-base alloy.....	1	(Z)	1	(Z)	
Electric motors and generators:						
362110	Timing motors, synchronous and subsynchronous.....	8	2	5	1	
362115	Other fractional horsepower electric motors.....	18	4	20	5	
362120	Integral horsepower motors and generators.....	2	(Z)	2	(Z)	
Bearings:						
356218	Ball.....	1	(Z)	(Z)	(Z)	
356228	Roller.....					
970099	All other materials and components, parts, containers, and supplies.....	263	64	230	60	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24400	Complete wooden containers, including box, shook, and cooperage.....	2	(Z)	3	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	15	4	11	3	
28510	Paints, varnishes, lacquers, and enamels.....	6	1	6	2	
33120	Blast furnaces, steel works and rolling mills products.....	1	(Z)	(NA)	(NA)	
34030	Parts and attachments designed for heating equipment, except electric (including boiler tanks, water heater tanks, etc.).....	35	8	(NA)	(NA)	
34330	Heating burners (oil and gas).....	15	4	11	3	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	6	1	6	2	
34610	Metal stampings.....	7	2	4	1	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	24	6	16	4	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	5	1	5	1	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	3	1	(NA)	(NA)	
35640	Fans and blowers.....	14	3	12		
35850	Compressors, compressor units, condensers, fans, coils, and other heat transfer equipment.....	44	11	(NA)	(NA)	
38220	Automatic temperature controls ('thermostats, regulators, etc.).....	49	12	54	14	
99999	All other materials, containers and supplies, etc., not listed above.....	38	9	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3443--BOILER SHOP PRODUCTS					
	Total materials, parts, containers, and supplies.....	755	769	769	(X)
	Not specified by kind (n.s.k.).....	75	(X)	105	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	680	100	664	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331009	Concrete reinforcing bars.....	1	(2)	1	(2)
331010	Bars and bar shapes (except concrete reinforcing bars).....	11	2	12	2
331012	Sheet and strip.....	57	8	45	7
331013	Plates.....	216	32	177	27
331015	Structural shapes.....	25	4	23	3
331017	Wire and wire products.....	2	(2)	2	(2)
331019	All other carbon steel mill shapes and forms.....	43	6	48	7
Alloy steel (except stainless):					
331021	Bars and bar shapes.....	2	(2)	2	(2)
331029	All other alloy steel mill shapes and forms.....	38	6	13	2
331031	Stainless steel.....	33	5	41	6
Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	(2)	(2)	17	3
335123	Plate, sheet, and strip (including military cups and discs).....	4	1		
335127	Pipe and tube.....	9	1		
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	11	2	3	(2)
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.).....	1	(2)	1	(2)
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc).....	1	(2)		
999811	Scrap (excluding home scrap) iron and steel.....	1	(2)	3	(2)
Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	3	(2)	5	1
332300	Steel.....	6	1	5	1
336200	Copper and copper-base alloy.....	1	(2)	1	(2)
970099	All other materials and components, parts, containers, and supplies consumed.....	215	32	262	39
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood and wood products, except complete containers.....	1	(2)	(NA)	(NA)
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	7	1	(NA)	(NA)
28510	Paints, varnishes, lacquers, and enamels.....	3	(2)	(NA)	(NA)
32900	Gaskets (all types), insulating materials, mica products, and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	1	(2)	(NA)	(NA)
32930	Gaskets, all types and asbestos packing.....	1	(2)	(NA)	(NA)
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding material previously reported in Item 17 of applicable report form.....	14	2	(NA)	(NA)
33560	Welding rods for gas welding.....	2	(2)	5	1
34030	Parts specially designed for steel power and heating boilers.....	17	3	(NA)	(NA)
34500	Bolts, nuts, screws, rivets, and screw machine products.....	9	1	12	2
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	57	8	(NA)	(NA)
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	8	1	3	(2)
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	11	2	13	2
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	8	1	13	2
36010	Industrial electrical control and distribution equipment including coils, circuit breakers, switches, relays, transformers.....	1	(2)	(NA)	(NA)
36205	Electrodes for electrical welding.....	16	2	(NA)	(NA)
36210	Electric motor and power generators.....	4	1	4	1
99999	All other materials, parts, containers, and supplies, etc., not listed above.....	55	8	(NA)	(NA)
INDUSTRY 3444--SHEET METALWORK					
	Total materials, parts, containers, and supplies.....	563	(X)	462	(X)
	Not specified by kind (n.s.k.).....	123	(X)	114	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	440	100	348	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331010	Bars and bar shapes (except concrete reinforcing bars).....	6	1	6	2
331012	Sheet and strip.....	185	42	160	46
331013	Plates.....	12	3	8	2
331015	Structural shapes.....	6	1	3	1
331017	Wire and wire products.....	1	(2)	1	(2)
331019	All other carbon steel mill shapes and forms.....	4	1	7	2

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3444--SHEET METALWORK--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
331029	Alloy steel (except stainless):					
	All other alloy steel mill shapes and forms.....	6	1	2	1	
331031	Stainless steel.....	19	4	14	4	
335102	Copper and copper-base alloy:					
	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	(2)	(2)			
335123	Plate, sheet, and strip (including military cups and discs).....	7	2	5	1	
335127	Pipes and tubes.....	1	(2)			
335202	Aluminum and aluminum-base alloy:					
	Sheet, plate, and foil.....	58	13	39	11	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	9	2			
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.).....	17	4	6	2	
333401	Primery metals:					
	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, billet, etc.)	1	(2)	(NA)	(NA)	
332011	Castings (rough and semifinished):					
	Iron (gray and malleable).....	1	(2)	1	(2)	
970099	All other materials and components, parts, containers, and supplies consumed.....	106	24	94	27	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	4	1	(NA)	(NA)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	6	1	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	13	3	(NA)	(NA)	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	6	1	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	13	3	(NA)	(NA)	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	1	(2)	(NA)	(NA)	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	2	(2)	(NA)	(NA)	
35850	Compressors, compressor units, condensers, fans, coils, and other heat transfer equipment.....	1	(2)	(NA)	(NA)	
36205	Electrodes for electrical welding.....	1	(2)	(NA)	(NA)	
36210	Electric motor and power generators.....	2	(2)	(NA)	(NA)	
99999	All other materials, containers, and supplies, etc., not listed above.....	57	13	(NA)	(NA)	
INDUSTRY 3461--METAL STAMPINGS						
Total materials, parts, containers, and supplies.....						
	1,171	(X)	924		(X)	
Not specified by kind (n.s.k).....						
	109	(X)	-		(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
	1,062	100	924		100	
AS SPECIFIED IN THE 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331011	Carbon steel:					
	Bars and bar shapes.....	19	2	13	1	
331012	Sheet and strip.....	336	32	247	27	
331013	Plates.....	15	1	10	1	
331015	Structural shapes.....	3	(2)	1	(2)	
331017	Wire and wire products.....	2	1	9	1	
331018	Tinplate, terneplate, and black plate.....	89	8	74	8	
331019	All other carbon steel mill shapes and forms.....	7	1	3	(2)	
331021	Alloy steel (except stainless):					
	Bars and bar shapes.....	3	1	2	(2)	
331029	All other alloy steel mill shapes and forms.....	25	2	14	2	
331031	Stainless steel.....	74	7	63	7	
335728	Copper and copper-base alloy:					
	Bare wire (for electrical conduction).....	1	(2)	1	(2)	
335102	Rod, bar, and mechanical wire.....	8	1			
335123	Plate, sheet, and strip.....	34	3	34	4	
335127	Pipe and tube.....	3	(2)			
335202	Aluminum and aluminum-base alloy:					
	Sheet, plate, and foil.....	92	9	72	8	
335205	Extruded shapes.....	12	1			
335209	All other aluminum mill shapes and forms.....	5	(2)	7	1	
333348	Zinc and zinc-base alloy refinery, shapes.....	4	(2)	3	(2)	
332011	Castings (rough and semifinished):					
	Iron (gray and malleable).....	3	(2)	3	(2)	
332300	Steel.....	1	(2)	2	(2)	
336100	Aluminum and aluminum-base alloy.....	1	(2)	5	1	
336200	Copper and copper-base alloy.....	1	(2)	(2)	(2)	
282140	Thermosetting resins.....	8	1	(NA)	(NA)	
282130	Thermoplastic resins.....	9	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	300	28	361	39	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3461--METAL STAMPINGS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	5	(Z)	23	2	
24995	Cork and cork products, including cork disc.....	15	1	(NA)	(NA)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	13	1	16	2	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	34	3	29	3	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	12	1	(NA)	(NA)	
28200	Plastic and resin material, including moulding and extrusion and synthetic rubber.....	6	1	13	1	
28412	Glycerin (crude and refined).....	1	(Z)	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	19	2	29	3	
29110	Lubricating oils, greases and other refined petroleum products.....	3	(Z)	3	(Z)	
30000	Fabricated rubber and plastic products, except gaskets.....	25	2	4	(Z)	
32010	Glass and glass products.....	1	(Z)	(NA)	(NA)	
32910	Grinding wheels and other abrasive products except industrial diamonds.....	2	(Z)	(NA)	(NA)	
32930	Gaskets, all types and asbestos packing.....	4	(Z)	9	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	11	1	29	3	
34290	Metal hardware.....	4	(Z)	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	17	2	17	2	
34610	Metal stampings.....	15	1	13	1	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	12	1	12	1	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	1	(Z)	(NA)	(NA)	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	2	(Z)	(NA)	(NA)	
99999	All other material, containers, and supplies, etc., not listed above.....	98	9	(NA)	(NA)	
INDUSTRY 3481--FABRICATED WIRE PRODUCTS, N.E.C.						
	Total materials, parts, containers, and supplies.....	434	(X)	373	(X)	
	Not specified by kind (n.s.k.).....	75	(X)	42	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	359	100	331	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	5	1	12	4	
331012	Sheet and strip.....	25	7	19	6	
331015	Structural shapes.....	1	(Z)	2	1	
331017	Wire and wire products.....	202	56	186	56	
331019	All other carbon steel mill shapes and forms.....	7	2	7	2	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	3	1	3	1	
331029	All other alloy steel mill shapes and forms.....	4	1	2	1	
331031	Stainless steel mill shapes and forms.....	10	3	7	2	
Copper and copper-base alloy mill shapes and forms:						
335728	Bare wire (for electrical conduction).....	1	(Z)	1	(Z)	
335790	Insulated wire and cable.....					
335102	Rod, bar, and mechanical wire, extruded and/or drawn shapes.....	5	1			
335123	Plate, sheet, and strip (including military cups and discs).....	1	(Z)	7	2	
335127	Pipe and tube.....	1	(Z)			
Aluminum and aluminum-base alloy mill shapes and forms:						
335202	Sheet, plate, and foil.....	2	1	1	(Z)	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	2	1			
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, and welded tubing, etc.).....	3	1	6	2	
Castings (rough and semifinished):						
332300	Steel.....	2	1	1	(Z)	
970099	All other materials and components, parts, containers and supplies consumed.....	84	23	78	24	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22010	Fabrics and threads, except burlap, jute, and linen.....	13	4	5	2	
22900	Burlap, jute and linen cordage, twine, and other goods, except bags.....	5	1	2	1	
24010	Lumber, plywood, and wood products, except complete containers.....	5	1		1	
26500	Paperboard containers and boxes (including folding, corrugated and fiber).....	6	2	2	1	
28010	Industrial chemicals and chemical products (including acids, fluxes, foundry chemicals, plating chemicals, etc.).....	5	1	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	2	1	(NA)	(NA)	
30790	Fabricated plastic products.....	2	1	(NA)	(NA)	
33030	Nonferrous metal shapes and forms, except copper and aluminum (including sheet, plate, rod, wire, castings, etc.).....	2	1	(NA)	(NA)	
34290	Metal hardware.....	2	1	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	10	3	(NA)	(NA)	
99999	All other materials, containers, supplies, etc. not listed above.....	6	2	2	1	
		28	8	(NA)	(NA)	

See footnotes at end of table

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3494--VALVES AND PIPE FITTINGS					
	Total materials, parts, containers, and supplies.....	570	(X)	440	(X)
	Not specified by kind (n.s.k.).....	40	(X)	24	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	530	100	416	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	12	2	11	3
331012	Sheet and strip.....	7	1	3	1
331013	Plates.....	4	1	4	1
331019	All other carbon steel mill shapes and forms.....	13	3	11	3
Alloy steel (except stainless):					
331021	Bars and bar shapes.....	4	1	2	(Z)
331029	All other alloy steel mill shapes and forms.....	4	1	3	1
331031	Stainless steel mill shapes and forms.....	16	3	13	3
Copper and copper-base alloy:					
335790	Insulated wire and cable.....	1	(Z)	1	(Z)
335102	Rod, bar, and mechanical wire.....	38	7	37	9
335123	Plate, sheet, and strip.....	2	1		
335127	Pipe and tube.....	17	3		
Aluminum and aluminum-base alloy:					
335205	Extruded shapes (rod, bar, pipe, etc.).....	1	1	4	1
335209	All other aluminum mill shapes and forms (wire, rod, etc.).....	5		12	3
Primary metals:					
331051	Pig iron.....	5	1	7	2
333401	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, etc.).....	1	(Z)	(NA)	(NA)
333102	Copper and copper-base alloy refinery shapes.....	39	7	22	5
Scrap (purchased only):					
999811	Iron and steel.....	8	1	6	1
999808	Aluminum and aluminum-base alloy.....	4	1	(NA)	(NA)
999812	Copper and copper-base alloy.....	5	1	12	3
Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	39	7	40	10
332300	Steel.....	38	7	33	8
336100	Aluminum and aluminum-base alloy.....	5	1	4	1
336200	Copper and copper-base alloy.....	31	6	27	6
339100	Iron and steel forgings.....	15	3	9	2
970099	All other material and components, parts, containers, and supplies consumed.....	215	41	166	40
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
14410	Sand and gravel.....	1	(Z)	1	(Z)
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	7	1	6	1
29110	Lubricating oils, greases, and other refined petroleum products.....	1	(Z)	1	(Z)
30000	Fabricated rubber and plastic products, except gaskets.....	14	3	8	2
32930	Gaskets all types and asbestos packing.....	8	2	5	1
33030	Nonferrous smelter and refinery shapes (pig, ingot, bullion, slab, etc.) except copper shapes.....	23	4	26	6
33120	Blast furnace, steel works, and rolling mill products.....	7	1	(NA)	(NA)
34020	Steel springs (including wire and flat).....	4	1	4	1
34500	Bolts, nuts, screws, rivets, and screw machine products.....	19	4	12	3
34610	Metal stampings.....	5	1	6	1
34900	Fabricated metal pipes, valves, and pipe fittings, except plumbers'.....	30	6	15	4
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	19	4	15	4
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	2	(Z)	-	-
35650	Foundry patterns, all materials.....	1	(Z)	4	1
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	5	1	5	1
36210	Electric motor and power generators.....	4	1	7	2
99999	All other material, containers, supplies, etc., not listed above.....	65	12	(NA)	(NA)
INDUSTRY 3511--STEAM ENGINES AND TURBINES					
	Total materials, parts, containers, and supplies.....	219	(X)	328	(X)
	Not specified by kind (n.s.k.).....	1	(X)	-	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	218	100	328	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331010	Bars and bar shapes.....	2	1	4	1
331012	Sheet and strip.....	4	2	6	2
331013	Plates.....	9	4	11	3
331015	Structural shapes.....	1	(Z)	1	(Z)
331017	Wire and wire products.....	2	1	2	1
331019	All other carbon steel mill shapes and forms.....				

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3511--STEAM ENGINES AND TURBINES--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
	Mill shapes and forms (except castings)--Continued					
	Alloy steel (except stainless):					
331021	Bars and bar shapes.....	2	1	2	1	
331029	All other alloy steel mill shapes and forms.....	4	2	3	1	
331031	Stainless steel mill shapes and forms.....	10	5	9	3	
	Copper and copper-base alloy mill shapes and forms:					
335728	Bare wire (for electrical conduction).....	4	2	(D)	(D)	
335790	Insulated wire and cable.....			(D)	(D)	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	7	3	(D)	(D)	
335123	Plate, sheet, and strip, including military cups and discs.....	1	(Z)	(D)	(D)	
335127	Pipe and tube.....	2	1	(D)	(D)	
	Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	6	3	9	3	
332300	Steel.....	25	11	40	12	
336200	Copper and copper-base alloy.....	3	1	5	1	
339100	Iron and steel forgings:.....	31	14	48	15	
362120	Integral horsepower motors and generators (1 horsepower and over).....	10	5	(D)	(D)	
970099	All other materials and components, parts, containers, and supplies consumed.....	95	44	187	57	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	(NA)	(NA)	
34430	Fabricated boiler shop products, including boilers, tanks, heat exchangers, and steam condensers.....	4	2	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	4	2	(NA)	(NA)	
34900	Fabricated metal pipe, valves and pipe fittings, except plumbers'.....	10	5	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	2	1	(NA)	(NA)	
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	3	1	(NA)	(NA)	
99999	All other material, containers, supplies, etc., not listed above.....	71	33	(NA)	(NA)	
INDUSTRY 3519--INTERNAL COMBUSTION ENGINES						
	Total materials, parts, containers, and supplies,.....	694	(X)	508	(X)	
	Not specified by kind (n.s.k.).....	36	(X)	4	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	658	100	504	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
	Mill shapes and forms:					
	Carbon steel:					
331011	Bars and bar shapes.....	7	1	5	1	
331012	Sheet and strip.....	9	1	5	1	
331013	Plates.....	2	(Z)	2	(Z)	
331015	Structural shapes.....	1	(Z)	(Z)	1	
331017	Wire and wire products.....	(Z)	-	2	(Z)	
331019	All other carbon steel mill shapes and forms.....	1	-	-	-	
	Alloy steel (except stainless):					
331021	Bars and bar shapes.....	3	(Z)	2	(Z)	
331029	All other alloy steel mill shapes and forms.....	1	(Z)	(Z)	(Z)	
331031	Stainless steel mill shapes and forms.....	2	(Z)	1	(Z)	
	Copper and copper-base alloy mill shapes and forms:					
335728	Bare wire (for electrical conduction).....	1	(Z)	1	(Z)	
335790	Insulated wire and cable.....					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	(Z)			
335123	Plate, sheet, and strip, including military cups and discs.....	6	1	3	1	
335127	Pipe and tube.....	1	(Z)			
335200	Aluminum and aluminum-base alloy.....		(D)	(D)	1	
333401	Primary metals-aluminum and aluminum-base alloy refinery shapes.....		(D)	(D)	4	
999808	Aluminum and aluminum-base alloys scrap (excluding home scrap).....		(D)	(D)	7	
	Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	62	10	65	13	
332300	Steel.....	2	(Z)	1	(Z)	
336100	Aluminum and aluminum-base alloy.....	24	4	30	6	
336200	Copper and copper-base alloy.....	1	(Z)	2	(Z)	
339100	Iron and steel forgings.....	25	4	16	3	
362120	Integral horsepower motors and generators (1 hp. and over).....	15	2	8	2	
	Bearings:					
356218	Ball.....	3	(Z)	4	1	
356228	Roller.....	2	(Z)			
970099	All other materials and components, parts, containers, and supplies consumed.....	489	74	344	68	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3519--INTERNAL COMBUSTION ENGINES--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	(NA)	(NA)	
24400	Complete wooden containers, including box shooks and cooperage.....	1	(Z)	(NA)	(NA)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	7	1	7	1	
28510	Paints, varnishes, lacquers, and enamels.....	1	(Z)	(NA)	(NA)	
29110	Lubricating oils, greases, and other refined petroleum products.....	1	(Z)	(NA)	(NA)	
30690	Fabricated rubber products except gaskets.....	1	(Z)	(NA)	(NA)	
32930	Gaskets, all types and asbestos packing.....	10	2	7	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	14	2	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	20	3	16	3	
34610	Metal stampings.....	17	3	15	3	
35190	Parts and accessories designed for internal combustion engines except automobile and aircraft engines.....	145	22	119	24	
35370	Parts and accessories specially designed for industrial trucks and tractors.....	25-10	-	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	27	4	19	4	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	18	3	10	2	
35660	Plain bearings, and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	32	5	20	4	
35990	Pistons, piston rings, carburetors, valves (intake and exhaust only).....	66	10	33	7	
36945	Spark plugs, coils, distributors, magnetos, and other engine electrical equipment.....	44	7	37	7	
99999	All other materials, containers, supplies, etc., not listed above.....	84	13	(NA)	(NA)	
INDUSTRY 3522--FARM MACHINERY AND EQUIPMENT						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	1,426	(X)	1,184	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	121	(X)	56	(X)	
		1,305	100	1,128	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	87	7	88	8	
331012	Sheet and strip.....	104	8	79	7	
331013	Plates.....	17	1	15	1	
331015	Structural shapes.....	12	1	9	1	
331017	Wire and wire products.....	5	(Z)	4	(Z)	
331019	All other carbon steel mill shapes and forms.....	28	2	23	2	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	11	1	11	1	
331029	All other alloy steel mill shapes and forms.....	4	(Z)	4	(Z)	
331031	Stainless steel mill shapes and forms.....	4	(Z)	3	(Z)	
Copper and copper-base alloy:						
335102	Rod, bar, and mechanical wire, excluding extruded and/or drawn shapes.....	1	(Z)			
335123	Plate, sheet, and strip, including military cups and discs.....	(Z)	(Z)	2	(Z)	
335127	Pipe and tube.....	4	(Z)			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	3	(Z)	3	(Z)	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	3	(Z)			
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.).....	2	(Z)	2	(Z)	
331051	Pig iron, excluding silvery iron.....	8	1	11	1	
999811	Iron and steel scrap.....	13	1	9	1	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	65	5	83	7	
332300	Steel.....	7	(Z)	9	1	
336100	Aluminum and aluminum-base alloy.....	6	(Z)	5	(Z)	
339100	Iron and steel forgings.....	35	3	27	2	
Engines:						
351920	Diesel and semidiesel.....	28	2	12	1	
351901	Gasoline and other carburetor.....	109	8	98	9	
Electrical motors and generators:						
362115	Fractional horsepower, electric motors (under 1 hp.) (excluding timing motors).....	2	(Z)	3	(Z)	
362120	Integral horsepower motors and generators (1 hp. and over).....	5	(Z)	3	(Z)	
Bearings:						
356218	Ball.....	22	2			
356228	Roller.....	16	1	30	3	
301131	Pneumatic tires.....	48	4	45	4	
301141	Inner tubes.....	9	1	5	1	
970099	All other materials and components, parts, containers, and supplies consumed.....	645	49	544	48	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3522--FARM MACHINERY AND EQUIPMENT--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	7	1	6	1	
25310	Seats for conveyances (purchased separately).....	3	(Z)	2	(Z)	
26500	Paperboard containers and boxes, including folding corrugated, fiber and setup.....	4	(Z)	4	(Z)	
28510	Paints, varnishes, lacquers, and enamels.....	11	1	7	(Z)	
29110	Lubricating oils, greases, and other refined petroleum products.....	3	(Z)	1	(Z)	
30000	Fabricated rubber and plastic products, except gaskets.....	19	1	24	2	
32910	Grinding wheels, and other abrasive products, except industrial diamonds.....	1	(Z)	(NA)	(NA)	
32930	Gaskets, all types and asbestos packing.....	3	(Z)	2	(Z)	
33120	Blast furnaces, steel works, and rolling mill products.....	1	(Z)	(NA)	(NA)	
33560	Welding rods for gas welding.....	1	(Z)	(NA)	(NA)	
34020	Miscellaneous fabricated metal products, including hand tools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349 (except 3491)).....	17	1	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	43	3	34	3	
34610	Metal stampings.....	24	2	29	3	
34810	Wire, cloth, springs, and other nonelectric fabricated wire products.....	3	(Z)	1	(Z)	
35220	Parts and attachments designed for farm machinery, including wheels, plow discs.....	111	9	90	8	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	19	1	23	2	
35610	Hydraulic and pneumatic equipment, pumps, and compressors.....	20	1	6	1	
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	131	10	97	9	
35990	Pistons, piston rings, carburetors, valves (intake and exhaust only).....	25	2	30	3	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	5	(Z)	(NA)	(NA)	
36900	Engine electrical equipment, including spark plugs, magnetos, generators, and starters.....	32	2	25	2	
38210	Mechanical measuring and controlling instruments, except electric.....	1	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	161	12	(NA)	(NA)	
INDUSTRY 3531--CONSTRUCTION MACHINERY						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	1,284	(X)	949	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	60	(X)	47	(X)	
		1,224	100	902	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	44	4	43	5	
331012	Sheet and strip.....	16	1	12	1	
331013	Plates.....	74	6	48	5	
331015	Structural shapes.....	18	2	15	2	
331017	Wire and wire products.....	3	(Z)	3	(Z)	
331019	All other carbon steel mill shapes and forms.....	21	2	16	2	
Alloy steel, except stainless:						
331021	Bars and bar shapes.....	12	1	8	1	
331029	All other alloy steel mill shapes and forms.....	13	1	7	1	
331031	Stainless steel.....	1	(Z)	1	(Z)	
Copper and copper-base alloy:						
335790	Insulated wire and cable.....	1	(Z)	1	(Z)	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	(Z)	(Z)			
335123	Plate, sheet, and strip (including military cups and discs).....	4	(Z)	4	(Z)	
335127	Pipe and tube.....	2	(Z)			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	(Z)	(Z)	(Z)	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	1	(Z)	(Z)	(Z)	
331051	Pig iron (excluding silvery iron).....	2	(Z)	1	(Z)	
999811	Iron and steel scrap (purchased only).....	2	(Z)	2	(Z)	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	54	5	44	5	
332300	Steel.....	95	8	78	8	
336100	Aluminum and aluminum-base alloy.....	8	1	3	(Z)	
336200	Copper and copper-base alloy.....	4	(Z)	3	(Z)	
339100	Iron and steel forgings.....	98	8	67	7	
Engines:						
351920	Diesel and semidiesel.....	88	7	57	6	
351901	Gasoline and other carburetor.....	14	1	14	2	
Electric motors and generators:						
362115	Fractional horsepower electric motors (under 1 hp.), (excluding timing motors).....	1	(Z)	1	(Z)	
362120	Integral horsepower motors and generators 1 hp. and over).....	17	1	8	1	
Bearings:						
356218	Ball.....	10	1			
356228	Roller.....	15	1	18	2	
301131	Pneumatic tires.....	41	3	24	3	
301141	Inner tubes.....	1	(Z)	1	(Z)	
356601	Mechanical power transmission equipment (except motor vehicle) including gears, clutches, etc.....	72	6	64	7	
970099	All other materials and components, parts, containers, and supplies consumed.....	491	40	358	40	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3531--CONSTRUCTION MACHINERY--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood, and wood products, except complete containers.....	2	(Z)	2	(Z)	
28510	Paints, varnishes, lacquers, and enamels.....	7	1	3	(Z)	
29110	Lubricating oils, greases, and other refined petroleum products.....	2	(Z)	(NA)	(NA)	
30000	Fabricated rubber and plastic products, except gaskets.....	15	1	8	1	
32930	Gaskets, all types and asbestos packing.....	8	1	3	(Z)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	1	(Z)	(NA)	(NA)	
33560	Welding rods for gas welding.....	5	(Z)	(NA)	(NA)	
34400	Metal tanks and fabricated structural metal products.....	23	2	15	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	25	2	20	2	
34610	Metal stampings.....	4	(Z)	(NA)	(NA)	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	9	1	10	1	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	6	(Z)	5	1	
35032	Parts and attachments specially designed for construction and mining machinery, including cranes and front end attachments.....	110	9	141	16	
35190	Parts and accessories designed for internal combustion engines, except automobile and aircraft engines.....	25-10	-	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	45	4	22	2	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	35	3	12	1	
35665	Plain bearings and bushings.....	11	1	22	2	
35990	Pistons, piston rings, carburetors, valves (intake and exhaust only).....	5	(Z)	6	1	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	13	1	8	11	
36910	Parts and supplies specially designed for storage batteries (except rubber and plastic).....	1	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc. not listed above.....	164	13	(NA)	(NA)	
INDUSTRY 3533--OILFIELD MACHINERY						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	216	(X)	194	(X)	
	Total materials, parts, containers, and supplies, less n.s.k. ....	24	(X)	5	(X)	
		192	100	189	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	9	5	7	4	
331013	Plates.....	7	4	5	3	
331015	Structural shapes.....	5	3	6	3	
331019	All other carbon steel mill shapes and forms.....	7	4	9	5	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	20	10	20	11	
331029	All other alloy steel mill shapes and forms.....	7	4	6	3	
331031	Stainless steel.....	3	1	2	1	
Copper and copper-base alloy:						
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	(Z)	{ 1 }	1	
335123	Plate, sheet, and strip including military cups and discs.....	(Z)	(Z)		1	
335127	Pipe and tube.....	1	1			
335200	Aluminum and aluminum-base alloy; mill shapes and forms, (rod, bar, sheet, etc.).....	1	1	(NA)	(NA)	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	13	7	8	4	
332300	Steel.....	12	6	12	6	
336100	Aluminum and aluminum-base alloy.....	1	1	(NA)	(NA)	
336200	Copper and copper-base alloy.....	1	1	1	1	
339100	Iron and steel forgings.....	8	4	12	6	
Engines:						
351920	Diesel and semidiesel.....	3	1	2	1	
351901	Gasoline and other carburetor.....	1	1	2	1	
Bearings:						
356218	Ball.....	2	1	3	2	
356228	Roller.....	2	1			
970099	All other materials, components, parts, containers, and supplies consumed.....	89	46	93	48	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	2	1	(NA)	(NA)	
30000	Fabricated rubber and plastic products, except gaskets.....	9	4	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets and screw machine products.....	8	4	(NA)	(NA)	
34900	Fabricated metal pipe, valves, and pipe fittings except plumbers'.....	11	6	(NA)	(NA)	
35330	Parts specially designed for oilfield machines (purchased separately).....	23	12	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	13	7	(NA)	(NA)	
35665	Plain bearings and bushings.....	1	1	(NA)	(NA)	
99999	All other materials, containers, supplies, etc. not listed above.....	22	11	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3536--HOISTS, CRANES, AND MONORAILS					
	Total materials, parts, containers, and supplies.....	101	(X)	79	(X)
	Not specified by kind (n.s.k.).....	5	(X)	2	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	96	100	77	100
AS SPECIFIED BY 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms:				
	Carbon steel:				
331011	Bars and bar shapes.....	3	3	2	3
331012	Sheet and strip.....	1	1	1	1
331013	Plates.....	10	11	6	8
331015	Structural shapes.....	7	7	4	5
331017	Wire and wire products.....	1	1	1	1
331019	All other carbon steel mill shapes and forms.....	3	3	1	1
	Alloy steel (except stainless):				
331021	Bars and bar shapes.....	1	1	(Z)	(Z)
331029	All other alloy steel mill shapes and forms.....	1	1	(Z)	(Z)
	Copper and copper-base alloy:				
335790	Insulated wire and cable.....	1	1	1	1
335127	Pipe and tube.....	1	1	(Z)	(Z)
	Castings (rough and semifinished):				
332011	Iron (gray and malleable).....	4	4	4	5
332300	Steel.....	4	4	3	4
336100	Aluminum and aluminum-base alloy.....	1	1	(Z)	(Z)
336200	Copper and copper-base alloy.....	1	1	(Z)	(Z)
339100	Iron and steel forgings.....	3	3	1	1
	Electric motors and generators:				
362115	Fractional horsepower electric motors (under 1 hp.), excluding timing motors.....	1	1	1	1
362120	Integral horsepower motors and generators (1 hp. and over).....	7	7	4	6
	Bearings:				
356218	Ball.....	1	1		
356228	Roller.....	2	2	(Z)	(Z)
356601	Mechanical power transmission equipment (except motor vehicle) including gears, clutches, etc.....	5	6	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	38	40	46	60
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
30000	Fabricated rubber and plastic products, except gaskets.....	1	1	(NA)	(NA)
34020	Miscellaneous fabricated metal products, including hand tools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349) (except 3491).....				
34500	Bolts, nuts, screws, rivets, and screw machine products.....	1	1	1	1
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	3	3	2	3
36010	Industrial electric control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	2	2	1	1
99999	All other materials, containers, supplies, etc., not listed above.....	12	13	10	13
		19	20	(NA)	(NA)
INDUSTRY 3537--INDUSTRIAL TRUCKS AND TRACTORS					
	Total, materials, parts, containers, and supplies.....	193	(X)	120	(X)
	Not specified by kind (n.s.k.).....	14	(X)	12	(X)
	Total materials, parts, containers, and supplies less n.s.k.....	179	100	108	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
	Carbon steel:				
331011	Bars and bar shapes.....	7	4	4	3
331012	Sheet and strip.....	6	3	2	2
331013	Plates.....	8	4	4	4
331015	Structural shapes.....	4	2	2	2
331019	All other carbon steel mill shapes and forms.....	3	2	1	1
	Alloy steel (except stainless):				
331020	Bars and bar shapes.....	1	1	1	1
331031	Stainless steel.....	1	1	(Z)	(Z)
335200	Aluminum and aluminum-base alloy.....	1	1	1	1
335003	Copper and copper-base alloy mill shapes and forms.....	1	1	(Z)	(Z)
	Castings (rough and semifinished):				
332011	Iron (gray and malleable).....	8	4	6	5
332300	Steel.....	4	2	3	3
336100	Aluminum and aluminum-base alloy.....	1	1	(Z)	(Z)
339100	Iron and steel forgings.....	3	2	2	2
351901	Gasoline and other carburetor engines.....	11	6	7	6

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3537--INDUSTRIAL TRUCKS AND TRACTORS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
362115	Electric motors and generators:					
362120	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	1	1	(Z)	(Z)	
	Integral horsepower motors and generators (1 hp. and over).....	2	1	(Z)	(Z)	
356218	Bearings:					
356228	Ball.....	2	1			
	Roller.....	2	1			
369101	Storage batteries.....	3	2			
970099	All other materials and components, parts, containers, and supplies consumed.....	110	61	113	64	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
30000	Fabricated rubber and plastic products, except gaskets.....	8	4	4	1	
34290	Metal hardware.....	2	1	2	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	5	3	2	2	
34610	Metal stampings.....	1	1	1	1	
35370	Parts and accessories specially designed for industrial trucks and tractors.....	40	22	35	32	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	5	3	2	2	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	2	1	2	2	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	8	4	4	4	
35990	Pistons, piston rings, carburetors, valves (intake and exhaust only).....	12	7	6	6	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, and transformers.....	6	3	(NA)	(NA)	
36290	Industrial capacitors (power, motor, filler, etc.) coil windings, battery chargers, and other industrial electrical apparatus.....	2	1	3	3	
99999	All other material, containers, supplies, etc., not listed above.....	19	11	(NA)	(NA)	
INDUSTRY 3541--METAL-CUTTING MACHINE TOOLS						
Total materials, parts, containers, and supplies.....						
	334	(X)	192	(X)	(X)	
Not specified by kind (n.s.k.).....						
	35	(X)	16	100	100	
Total materials, parts, containers, and supplies, less n.s.k.....						
	299	100	176			
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331011	Carbon steel:					
331012	Bars and bar shapes.....	10	4	5	3	
331013	Sheet and strip.....	1	(Z)	1	1	
331015	Plates.....	3	1	2	1	
331017	Structural shapes.....	1	(Z)	1	1	
331019	Wire and wire products.....	2	1	1	1	
331021	All other carbon steel mill shapes and forms.....					
331029	Alloy steel (except stainless):					
331031	Bars and bar shapes.....	7	2	4	2	
335003	All other alloy steel mill shapes and forms.....	2	1	1	(Z)	
335200	Stainless steel.....	1	(Z)	1	1	
331051	Copper and copper-base alloy mill shapes and forms.....	2	1	1	1	
999811	Aluminum and aluminum-base alloy.....	1	(Z)	1	1	
331051	Pig iron, excluding silvery iron.....	1	(Z)	1	1	
999811	Iron and steel scrap (excluding home scrap).....	1	(Z)	(Z)	(Z)	
332011	Castings, (rough and semifinished):					
332300	Iron (gray and malleable).....	40	13	24	13	
336100	Steel.....	4	1	1	1	
336200	Aluminum and aluminum-base alloy.....	3	1	1	1	
339100	Copper and copper-base alloy.....	2	1	1	1	
339100	Iron and steel forgings.....	4	1	3	2	
Electric motors and generators:						
362110	Fractional horsepower electric motors (under 1 hp.):					
362115	Timing motors synchronous and subsynchronous.....	1	(Z)	1	1	
362120	Other fractional horsepower electric motors.....	4	2	1	1	
	Integral horsepower motors and generators (1 hp. and over).....	11	4	8	4	
356218	Bearings:					
356228	Ball.....	7	2	6	3	
	Roller.....	4	1			
970099	All other materials and components, parts, containers, and supplies consumed.....	188	63	113	64	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3541--METAL-CUTTING MACHINE TOOLS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	(NA)	(NA)	
29110	Lubricating oil, greases, and other refined petroleum products.....	1	(Z)	(NA)	(NA)	
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	6	2	(Z)	1	
34400	Metal tanks and fabricated structural metal products.....	1	(Z)	1	1	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	9	3	5	3	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	43	14	27	15	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	19	6	11	6	
35650	Foundry patterns, all materials.....	1	(Z)	(NA)	(NA)	
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	9	3	9	5	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	47	16	23	13	
99999	All other material, containers, supplies etc., not listed above.....	51	17	(NA)	(NA)	
INDUSTRY 3542--METAL-FORMING MACHINE TOOLS						
Total materials, parts, containers, and supplies.....						
		144	(X)	112	(X)	
Not specified by kind (n.s.k.).....						
		16	(X)	7	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		128	100	105	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	6	5	4	4	
331012	Sheet and strip.....	1	1	1	1	
331013	Plates.....	13	10	8	8	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	3	2	2	2	
331029	All other alloy steel mill shapes and forms.....	1	1	(Z)	(Z)	
331031	Stainless steel.....	1	1	(Z)	(Z)	
999811	Iron and steel scrap (excluding home scrap).....	1	1	1	1	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	9	7	10	10	
332300	Steel.....	5	4	8	8	
336100	Aluminum and aluminum-base alloy.....	1	1	(Z)	(Z)	
336200	Copper and copper-base alloy.....	1	1	1	1	
339100	Iron and steel forgings.....	5	4	3	3	
Electric motors and generators:						
362120	Integral horsepower motors and generators (1 hp. and over).....	6	5	5	5	
Bearings:						
356218	Ball.....	1	1	2	2	
356228	Roller.....	1	1	2	2	
970099	All other materials and components, parts, containers, and supplies consumed.....	71	55	58	55	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	1	1	1	1	
32930	Gaskets, all types and asbestos packing.....	1	1	1	1	
34430	Fabricated boiler shop products, including boilers, tanks, heat exchangers and steam condensers.....	5	4	2	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	4	3	5	5	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	18	14	6	6	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	12	9	8	8	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	5	4	7	7	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	10	8	7	7	
99999	All other material containers, supplies etc., not listed above.....	15	12	(NA)	(NA)	
INDUSTRY 3544--SPECIAL DIES AND TOOLS						
Total materials, parts, containers, and supplies.....						
		282	(X)	217	(X)	
Not specified by kind (n.s.k.).....						
		90	(X)	73	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		192	100	144	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	22	11	13	9	
331012	Sheet and strip.....	8	4	4	3	
331013	Plates.....	14	7	9	6	
331015	Structural shapes.....	2	1	1	1	
331019	All other carbon steel mill shapes and forms.....	4	2	2	1	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3544--SPECIAL DIES AND TOOLS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
331021	Alloy steel (except stainless):					
331029	Bar and bar shapes.....	19	10	11	8	
	All other alloy steel mill shapes and forms.....	5	2	2	1	
331031	Stainless steel.....	2	1	1	1	
335102	Copper and copper-base alloy:					
335123	Rod, bar, and mechanical wire.....	1	1			
335127	Plate, sheet, and strip, including cups and disc.....	1	1	1	1	
	Pipe and tube.....	(Z)	(Z)			
335202	Aluminum and aluminum-base alloy:					
335205	Sheet, plate, and foil.....	2	1	1	1	
335209	Extruded shapes, including rod, bar, pipe, tube, etc.....	1	1	1	1	
	All other aluminum mill shapes and forms.....	1	1	(Z)	(Z)	
999811	Iron and steel scrap (excluding home scrap).....	1	1	(D)	(D)	
Casting (rough and semifinished):						
332011	Iron (gray and malleable).....	13	7	12	8	
332300	Steel.....	5	2	2	1	
336100	Aluminum and aluminum-base alloy.....	2	1	1	1	
336200	Copper and copper-base alloy.....	1	1	1	1	
339100	Iron and steel forgings.....	1	1	2	1	
356218	Bearings:					
356228	Ball.....					
	Roller.....	1	1	(D)	(D)	
970099	All other materials and components, parts, containers, and supplies consumed.....	86	45	77	54	
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	1	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	2	1	(NA)	(NA)	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	1	1	(NA)	(NA)	
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	5	3	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	4	2	(NA)	(NA)	
34200	Hand and edge tools, except machine tools.....	3	2	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	5	3	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	3	2	(NA)	(NA)	
35440	Jigs, fixtures, dies, die sets, and components.....	15	8	(NA)	(NA)	
35450	Drills, reamers, carbide tips and blanks, and other attachments and accessories for machine tools and metalworking machinery.....	5	3	(NA)	(NA)	
35480	Parts designed for metalworking machinery, except machine tools.....	3	2	(NA)	(NA)	
35650	Foundry patterns, all materials.....	4	2	(NA)	(NA)	
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	2	1	(NA)	(NA)	
99999	All other material, containers, supplies, etc., not listed above.....	33	17	(NA)	(NA)	
INDUSTRY 3545--MACHINE TOOL ACCESSORIES						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	189	(X)	115	(X)	
	Total materials, parts, containers, and supplies, less n.s.k. ....	29	(X)	11	(X)	
		160	100	104	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331011	Carbon steel:					
331012	Bars and bar shapes.....	9	6	5	5	
331013	Sheet and strip.....	1	1	(Z)	(Z)	
331019	Plates.....	1	1	1	1	
	All other carbon steel mill shapes and forms.....	1	1	1	1	
331021	Alloy steel (except stainless):					
331029	Bars and bar shapes.....	29	18	19	18	
	All other alloy steel mill shapes and forms.....	8	5	4	4	
335200	Aluminum and aluminum-base alloy.....	1	1	(Z)	(Z)	
335003	Copper and copper-base alloy.....	1	1	1	1	
Casting (rough and semifinished):						
332011	Iron (gray and malleable).....	6	4	2	2	
332300	Steel.....	1	1	(Z)	(Z)	
336100	Aluminum and aluminum-base alloy.....	1	1	1	1	
336200	Copper and copper-base alloy.....	1	1	1	1	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3545--MACHINE TOOL ACCESSORIES--Continued					
339100	AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued				
	Iron and steel forgings.....	1	1	1	1
362120	Electric motors and generators: Integral horsepower motors and generators (1 hp. and over).....	1	1	(2)	(2)
356218	Bearings: Ball.....	1	1	1	1
356228	Roller.....				
970099	All other materials and components, parts, containers, and supplies consumed.....	98	61	67	64
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	1	1	1
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	1	1	1	1
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	9	6	9	9
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	11	7	9	9
34200	Hand and edge tools, except machine tools.....	2	1	1	1
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	1	1	1
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	6	4	(NA)	(NA)
35440	Jigs, fixtures, dies, die sets and components.....	5	3	3	3
35450	Drills, reamers, carbide tips and blanks, and other attachments and accessories for machine tools and metalworking machinery.....	15	9	6	6
35480	Parts designed for metalworking machinery, except machine tools.....	2	1	1	1
99999	All other materials, containers, supplies, etc., not listed above.....	44	28	(NA)	(NA)
INDUSTRY 3548--METALWORKING MACHINERY, N.E.C.					
	Total materials, parts, containers, and supplies.....	280	(X)	198	(X)
	Not specified by kind (n.s.k.).....	28	(X)	2	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	252	100	196	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
331011	Carbon steel: Bars and bar shapes.....	6	2	4	2
331012	Sheet and strip.....	3	1	2	1
331013	Plates.....	8	3	6	3
331015	Structural shapes.....	2	1	2	1
331017	Wire and wire products.....	1	(Z)	(Z)	(Z)
331019	All other carbon steel mill shapes and forms.....	1	(Z)	2	1
331021	Alloy steel (except stainless): Bars and bar shapes.....	5	2	3	2
331029	All other alloy steel mill shapes and forms.....	2	1	1	(Z)
331031	Stainless steel.....	1	(Z)	(Z)	(Z)
335728	Copper and copper-base alloy: Bare wire (for electrical conduction).....	1	(Z)	1	(Z)
335790	Insulated wire and cable.....	3	1	2	1
335102	Rod, bar, and mechanical wire.....	3	1		
335123	Plate, sheet, and strip, including military cups and discs.....	(Z)	(Z)	3	2
335127	Pipe and tube.....	(Z)	(Z)		
335202	Aluminum and aluminum-base alloy: Sheet, plate, and foil.....	1	(Z)	(Z)	(Z)
335209	All other aluminum mill shapes and forms.....	1	(Z)	(Z)	(Z)
331051	Pig iron, excluding silvery iron.....	1	(Z)	1	1
999811	Iron and steel scrap (excluding home scrap).....	2	1	2	1
332011	Castings (rough and semifinished): Iron (gray and malleable).....	9	4	4	2
332300	Steel.....	12	5	9	4
336100	Aluminum and aluminum-base alloy.....	11	4	8	4
336200	Copper and copper-base alloy.....	2	1	2	1
339100	Iron and steel forgings.....	4	2	4	2
	Electric motors and generators: Fractional horsepower electric motors (under 1 hp.):				
362110	Timing motors, synchronous and subsynchronous.....	2	1	6	3
362115	Other fractional horsepower electric motors.....	5	2		
362120	Integral horsepower motors and generators (1 hp. and over).....	4	2	1	1

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3548--METALWORKING MACHINERY, N.E.C.--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
	Bearings:					
356218	Ball.....	6	2			
356228	Roller.....	4	2	5	2	
970099	All other materials and components, parts, containers, and supplies consumed.....	152	60	127	65	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	1	(Z)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	1	(Z)	1	(Z)	
30000	Fabricated rubber and plastic products, except gaskets.....	1	(Z)	(NA)	(NA)	
30890	Fabricated rubber products except gaskets.....	1	(Z)	(NA)	(NA)	
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	4	2	3	2	
33570	Insulated wire and cable.....	2	1	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	7	3	6	3	
34610	Metal stampings.....	1	(Z)	1	1	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	29	12	22	11	
35613	Hydraulic equipment, including pumps.....	10	4	6	3	
35615	Pneumatic equipment, including compressors.....	2	1	3	2	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	12	5	11	6	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	19	8	21	11	
37290	Other parts specially designed for aircraft, including, subassemblies, landing gears and machine parts subcontracted to specifications.....	2	1	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	60	24	(NA)	(NA)	
INDUSTRY 3551--FOOD PRODUCTS MACHINERY						
	Total materials, parts, containers, and supplies.....	205	(X)	152	(X)	
	Not specified by kind (n.s.k.).....	43	(X)	28	(X)	
	Total materials, parts, containers, supplies, less n.s.k.....	162	100	124	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes.....	7	4	5	4	
331012	Sheet and strip.....	6	4	5	4	
331013	Plates.....	3	2	2	1	
331015	Structural shapes.....	2	1	1	1	
331019	All other carbon steel mill shapes and forms.....	2	1	1	1	
331020	Alloy steel (except stainless).....	1	1	2	2	
331031	Stainless steel.....	13	8	11	9	
335003	Copper and copper-base alloy.....	2	1	2	1	
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil.....	1	1	1	1	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	(Z)	(Z)	(Z)	(Z)	
335209	All other aluminum mill shapes and forms.....	(Z)	(Z)	(Z)	(Z)	
	Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	10	6	7	5	
332300	Steel.....	4	2	2	1	
336100	Aluminum and aluminum-base alloy.....	3	2	2	2	
336200	Copper and copper-base alloy.....	1	1	2	2	
	Electrical motors and generators:					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	3	2	2	2	
362120	Integral horsepower motors and generators (1 hp. and over).....	9	5	5	4	
	Bearings:					
356218	Ball.....	2	1			
356228	Roller.....	2	1	2	2	
970099	All other materials and components, parts, containers, and supplies consumed.....	90	56	72	58	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	3	2	2	2	
30000	Fabricated rubber and plastic products, except gaskets.....	2	1	1	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....					
34500	Bolts, nuts, screws, rivets, and screw machine products.....	8	5	4	3	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	4	2	5	4	
35510	Parts and attachments designed for special industry machinery.....	19	12	9	7	
35610	Hydraulic and pneumatic equipment pumps and compressors.....	6	4	3	2	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	12	7	10	8	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	6	4	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	29	18	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3552--TEXTILE MACHINERY					
	Total materials, parts, containers, and supplies.....	210	(X)	137	(X)
	Not specified by kind (n.s.k.).....	21	(X)	12	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	189	100	125	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mills shapes and forms (except castings):				
	Carbon steel:				
331011	Bars and bar shapes.....	10	5	7	6
331012	Sheet and strip.....	6	3	4	3
331015	Structural shapes.....	2	1	1	1
331017	Wire and wire products.....	5	2	4	3
331019	All other carbon steel mill shapes and forms.....	1	1	1	1
331020	Alloy steel (except stainless).....	1	1	1	1
331031	Stainless steel.....	5	2	3	2
	Copper and copper-base alloy:				
335123	Plate, sheet, and strip (including military cups and discs).....	1	1	(NA)	(NA)
335127	Pipe and tube.....	1	1	(NA)	(NA)
	Aluminum and aluminum-base alloy:				
335202	Sheet, plate, and foil.....	1	1	1	1
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	1	1	1
335209	All other aluminum mill shapes and forms.....	1	1		
	Primary metal and scrap:				
331051	Pig iron, excluding silvery iron.....	1	1	1	1
999811	Iron and steel scrap (excluding home scrap).....	1	1	1	1
	Castings (rough and semifinished):				
332011	Iron (gray and malleable).....	22	12	9	7
336100	Aluminum and aluminum-base alloy.....	2	1	1	1
362120	Integral horsepower electric motors and generators (1 hp. and over).....	4	2	2	1
	Bearings:				
356218	Ball.....	6	3	3	2
356228	Roller.....	1	1		
970099	All other materials and components, parts, containers, and supplies consumed.....	117	62	85	68
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood and wood products, except complete containers.....	9	5	5	4
30000	Fabricated rubber and plastic products, except gaskets.....	6	3	2	2
31010	Industrial leather.....	1	1	1	1
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	1	1	2	2
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	7	4	12	10
33910	Iron and steel forgings, including rivetless chain.....	2	1	(NA)	(NA)
34200	Hand and edge tools, except machine tools.....	4	2	2	2
34500	Bolts, nuts, screws, rivets, and screw machine products.....	6	3	3	2
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	5	3	5	4
35520	Heddles, picker sticks, spools, card clothing, and other parts, attachments and accessories for textile machinery.....	35	19	21	17
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment (except ball and roller bearings).....	15	8	3	2
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	10	5	3	2
99999	All other materials, containers, supplies, etc., not listed above.....	16	8	(NA)	(NA)
INDUSTRY 3554--PAPER INDUSTRIES MACHINERY					
	Total, materials, parts, containers, and supplies.....	166	(X)	133	(X)
	Not specified by kind (n.s.k.).....	11	(X)	6	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	155	100	127	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mills shapes and forms (except castings):				
	Carbon steel:				
331011	Bars and shapes.....	5	3	2	2
331013	Plates.....	4	3	2	2
331019	All other carbon steel mill shapes and forms.....	2	1	6	5
331020	Alloy steel (except stainless).....	1	1	2	2
331031	Stainless steel.....	10	6	7	6
	Copper and copper-base alloy:				
335728	Bare wire (for electrical conduction).....	(D)	(D)	(D)	
335790	Insulated wire and cable.....	(D)	(D)	(D)	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	3	2	5	4
335123	Plate, sheet, and strip (including military cups and discs).....	2	1		

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3554--PAPER INDUSTRIES MACHINERY--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
331051	Primary metals and scrap:					
999811	Pig iron, excluding silvery iron.....	3	2	4	3	
	Iron and steel scraps (excluding home scrap).....	1	1	1	1	
332011	Castings (rough and semifinished):					
	Iron (gray and malleable).....	6	4	9	8	
332300	Steel.....	3	2	2	2	
336200	Copper and copper-base alloy.....	1	1	1	1	
362120	Integral horsepower electric motors and generators (1 hp. and over).....	5	3	5	4	
356218	Bearings:					
356228	Ball.....	3	2	3	2	
	Roller.....	1	1			
970099	All other materials and components, parts, containers, and supplies consumed.....	103	66	78	61	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood, and wood products, except complete containers.....	1	1	2	2	
30000	Fabricated rubber and plastic products (including belting and platens).....	1	1	3	2	
34430	Fabricated steel plate, weldments, and other steel plate products.....	35	23	16	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	1	3	2	
34810	Paper machine wire cloth, wire springs, and other fabricated nonelectric wire products.....	6	4	1	1	
35400	Dies, jigs, fixtures and cutting tools for machine tools.....	2	1	2	2	
35540	Parts and attachments designed for pulp mill, paper mill, and paper converting machinery and equipment.....	15	10	2	2	
35660	Plain bearings and bushings, gears, speed reducers, clutches, pulleys, and other mechanical power transmission equipment.....	9	6	25	20	
36010	Motor starters and controls, switches, relays, panelboards, and other electrical distribution and control equipment.....	3	2	7	6	
99999	All other materials, containers, supplies, etc., not listed above.....	29	19	(NA)	(NA)	
INDUSTRY 3555--PRINTING TRADES MACHINERY						
	Total materials, parts, containers, and supplies.....	123	(X)	83	(X)	
	Not specified by kind (n.s.k.).....	27	(X)	12	(X)	
	Total materials, parts, containers, and supplies, less n.s.k. ....	96	100	71	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331011	Carbon steel:					
	Bars and bar shapes.....	5	5	(NA)	(NA)	
331012	Sheet and strip.....	1	1	(NA)	(NA)	
331013	Plates.....	1	1	(NA)	(NA)	
331019	All other carbon steel mill shapes and forms.....	1	1	(NA)	(NA)	
331020	Alloy steel (except stainless).....	1	1	(NA)	(NA)	
331031	Stainless steel.....	1	1	(NA)	(NA)	
335003	Copper and copper-base alloy.....	2	2	1	2	
335202	Aluminum and aluminum-base alloy:					
335209	Sheet, plate and foil.....	2	2	(Z)	(Z)	
	All other aluminum mill shapes and forms.....	1	1	(Z)	(Z)	
332011	Castings (rough and semifinished):					
	Iron (gray and malleable).....	13	14	10	14	
336100	Aluminum and aluminum-base alloy.....	2	2	1	2	
336200	Copper and copper-base alloy.....	1	1	1	1	
362115	Electrical motors and generators:					
362120	Fractional horsepower excluding motors (under 1 hp.).....	1	1	1	1	
	Integral horsepower motors and generators (1 hp. and over).....	4	4	2	3	
356218	Bearings:					
356228	Ball.....	2	2	(NA)	(NA)	
	Roller.....	1	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	58	60	54	76	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood, and wood products, except complete containers.....	2	2	1	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wires), excluding materials previously reported in Item 17 of applicable report forms.....					
	Iron and steel forgings, including rivetless chain.....	3	3	4	6	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	1	1	4	6	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	3	3	3	4	
35550	Parts, attachments, and accessories designed for printing trades machinery and equipment, including ink rolls and printers' rolls.....	5	5	3	4	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	20	21	12	17	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	7	7	5	7	
99999	All other materials, containers, supplies, etc., not listed above.....	11	11	7	10	
		6	6	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3559--SPECIAL INDUSTRY MACHINES, N.E.C.					
	Total materials, parts, containers, and supplies.....	356	(X)	260	(X)
	Not specified by kind (n.s.k.).....	59	(X)	32	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	297	100	228	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	11	4	8	4
331012	Sheet and strip.....	6	2	6	3
331013	Plates.....	13	4	12	5
331015	Structural shapes.....	4	1	3	1
331017	Wire and wire products.....	2	1	1	-
331019	All other carbon steel mill shapes and forms.....	4	1	2	1
Alloy steel (except stainless)					
331021	Bars and bar shapes.....	4	1	2	1
331029	All other alloy steel mill shapes and forms.....	2	1	2	1
331031	Stainless steel.....	12	4	11	5
Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and drawn shapes.....	1	(Z)		
335123	Plate, sheet, and strip (and including military caps and discs).....	1	(Z)	3	1
335127	Pipe and tube.....	2	1		
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	1	(Z)	1	(Z)
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	(Z)	2	1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.).....	1	(Z)		
Primary metals and scrap:					
331051	Pig iron, excluding silvery iron.....	2	1	1	1
999811	Iron and steel scrap (excluding home scrap).....	2	1	1	1
Castings (rough and semifinished)					
332011	Iron (gray and malleable).....	14	5	8	4
332300	Steel.....	12	4	8	3
336100	Aluminum and aluminum-base alloy.....	3	1	3	1
336200	Copper and copper-base alloy.....	2	1	2	1
Electrical motors and generators:					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	2	1	1	1
362120	Integral horsepower motors and generators (1 hp. and over).....	11	4	7	3
Bearings:					
356218	Ball.....	3	1		
356228	Roller.....	3	1	4	2
970099	All other materials and components, parts, containers, and supplies consumed.....	178	60	140	61
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood and wood products, except complete containers.....	5	2	3	1
30000	Fabricated rubber and plastic products, except gaskets.....	9	3	5	2
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	2	1	2	1
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	3	1	16	7
34500	Bolts, nuts, screws, rivets, and screw machine products.....	6	2	5	2
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	5	2	7	3
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	8	3	5	2
35500	Parts and attachments designed for special industry machinery.....	34	11	5	2
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	6	2	4	2
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	28	9	16	7
36010	Industrial electrical control and distribution equipment including coils, circuit breakers, switches, relays, transformers.....	17	6	11	5
36205	Electrodes for electrical welding.....	3	1	2	1
99999	All other materials, containers, supplies, etc., not listed above.....	52	18	(NA)	(NA)
INDUSTRY 3561--PUMPS AND COMPRESSORS					
	Total materials, parts, containers, and supplies.....	570	(X)	467	(X)
	Not specified by kind (n.s.k.).....	41	(X)	19	(X)
	Total materials, parts, containers, and supplies less n.s.k.....	529	100	448	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	9	2	5	1
331012	Sheet and strip.....	6	1	4	1
331013	Plates.....	6	1	4	1
331015	Structural shapes.....	2	(Z)	2	1
331019	All other carbon steel mill shapes and forms.....	7	1	9	2

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3561--PUMPS AND COMPRESSORS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	4	1	2	1	
331029	All other alloy steel mill shapes and forms.....	2	(Z)	4	1	
331031	Stainless steel.....	7	1	6	1	
Copper and copper-base alloy:						
335790	Insulated wire and cable.....	2	(Z)	1	(Z)	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	3	1			
335123	Plate, sheet, and strip, including military cups and discs.....	(Z)	(Z)	5	1	
335127	Pipe and tube.....	3	1			
Aluminum and aluminum-base alloy:						
335205	Extruded shapes (including, rod, bar, pipe, tube, etc.).....	1	(Z)			
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.).....	1	(Z)	1	(Z)	
Primary metals:						
331051	Pig iron, excluding silvery iron.....	2	(Z)	2	(Z)	
333122	Copper and copper-base alloy refinery shapes.....	3	1	2	(Z)	
333401	Aluminum and aluminum-base alloy refinery shapes.....	1	(Z)	(NA)	(NA)	
999811	Iron and steel scrap (excluding home scrap).....	1	(Z)	2	(Z)	
Casting (rough and semifinished):						
332011	Iron (gray and malleable).....	43	8	47	10	
332300	Steel.....	14	3	17	4	
336100	Aluminum and aluminum-base alloy.....	4	1	3	1	
336200	Copper and copper-base alloy.....	13	2	13	3	
339100	Iron and steel forgings.....	9	2	6	1	
Engines:						
351920	Diesel and semidiesel.....	6	1	4	1	
351901	Gasoline and other carburetor.....	8	2	6	1	
Electric motors and generators:						
362115	Fractional horsepower, electric motors (under 1 hp.) (excluding timing motors).....	25	5	24	5	
362120	Integral horsepower motors and generators (1 hp. and over).....	27	5	27	6	
Bearings:						
356218	Ball.....	4	1			
356228	Roller.....	12	2	5	1	
970099	All other materials and components, parts, containers, and supplies consumed.....	304	57	246	55	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	4	1	4	1	
30000	Fabricated rubber and plastic products, except gaskets.....	5	1	3	1	
32930	Gaskets, all types and asbestos packing.....	6	1	6	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in item 17 of applicable report form.....	19	4	(NA)	(NA)	
34430	Fabricated boiler shop products, including boilers, tanks, heat exchangers and steam condensers.....					
34500	Bolts, nuts, screws, rivets, and screw machine products.....	9	2	9	2	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	14	3	20	4	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	13	2	15	3	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	18	3	21	5	
35610	Hydraulic and pneumatic equipment, pumps, and compressors.....	65	12	68	15	
36010	Industrial electrical control and distribution equipment including coils, circuit breakers, switches, relays and transformers.....	19	4	25	5	
99999	All other materials containers supplies etc., not listed above.....	101	19	(NA)	(NA)	
INDUSTRY 3567--INDUSTRIAL FURNACES AND OVENS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	113	(X)	87	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	20	(X)	11	(X)	
		93	100	76	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331012	Sheet and strip.....	6	7	1	1	
331013	Plates.....	3	3	3	4	
331015	Structural shapes.....	1	1	3	4	
331019	All other carbon steel mill shapes and forms.....	2	2	1	1	
331020	Alloy steel (except stainless).....	1	1	1	1	
331031	Stainless steel.....	7	8	6	8	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3567--INDUSTRIAL FURNACES AND OVENS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
335127	Copper and copper-base alloy: Pipe and tube.....	3	3	(NA)	(NA)	
335202	Aluminum and aluminum-base alloy: Sheet, plate, and foil.....	2	2	(NA)	(NA)	
332300 970099	Steel castings (rough and semifinished)..... All other materials and components, parts, containers, and supplies consumed.....	3 63	3 68	2 59	3 78	
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
32040	Refractories, clay and nonclay.....	3	3	7	9	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in item 17 of applicable report form.....	4	4	(NA)	(NA)	
33200	Iron and steel castings (gray and malleable) rough and semifinished received from foundries.....	1	1	3	4	
34430	Fabricated boiler shop products, including boilers, tanks, heat exchangers and steam condensers.....	6	6	3	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	1	1	1	1	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	3	3	2	3	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	2	2	5	7	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	2	2	11	14	
35670	Parts, attachments and components designed for industrial furnaces and ovens, including electric heating units.....	15	16	(NA)	(NA)	
36010	Industrial electrical controls and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	5	5	(NA)	(NA)	
36210	Electric motor and power generators.....	1	1	4	5	
38200	Pyrometers, gauges, heat regulators, and other instruments for measuring, testing, and controlling physical properties, including counting devices.....	6	6	10	13	
99999	All other materials, containers, supplies, etc., not listed above.....	14	15	(NA)	(NA)	
INDUSTRY 3569--GENERAL INDUSTRY MACHINES, N.E.C.						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	223	(X)	152	(X)	
	Total materials, parts, containers, and supplies less n.s.k.....	49	(X)	37	(X)	
		174	100	115	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	7	4	4	3	
331012	Sheet and strip.....	5	3	4	3	
331013	Plates.....	4	2	2	2	
331015	Structural shapes.....	3	2	1	1	
331017	Wire and wire products.....	1	(Z)	1	1	
331019	All other carbon steel mill shapes and forms.....	3	2	3	3	
Alloy steel (except stainless):						
331021	Bar and bar shapes.....	1	1	1	1	
331029	All other alloy steel mill shapes and forms.....	2	1	1	1	
331031	Stainless steel.....	7	4	2	2	
Copper and copper-base alloy:						
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	1	{ } 3	2	
335123	Plate, sheet, and strip, (including military cups and discs).....	1	1			
335127	Pipe and tube.....	1	1			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	3	2	1	1	
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.).....	2	1	{ } 1	1	
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.).....	1	(Z)			
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	7	4	4	3	
332300	Steel.....	2	1	1	1	
336100	Aluminum and aluminum-base alloy.....	1	1	1	1	
336200	Copper and copper-base alloy.....	2	1	1	1	
Electric motors and generators:						
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	2	1	1	1	
362120	Integral horsepower motors and generators (1 hp. and over).....	2	1	7	6	
Bearings:						
356218	Ball.....	1	(Z)	{ } (Z)	{ } (Z)	
356228	Roller.....	(Z)	(Z)			
970099	All other materials and components, parts, containers, and supplies consumed.....	115	66	76	66	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3569--GENERAL INDUSTRY MACHINES, N.E.C.--Continued					
26000	ESTIMATES BASED ON SUPPLEMENTARY SURVEY:				
26500	Paper and paperboard products, except paperboard boxes and containers.....	1	1	(NA)	(NA)
28010	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	2	1	1	1
33030	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	3	2	3	3
34430	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in item 17 of applicable report form.....	8	5	(NA)	(NA)
34500	Fabricated boiler shop products, including boilers, tanks, heat exchangers and steam condensers.....	5	3	3	3
34900	Bolts, nuts, screws, rivets, and screw machine products.....	1	1	3	3
35400	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	10	6	11	10
35610	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	2	1	2	2
35660	Hydraulic and pneumatic equipment, pumps and compressors.....	7	4	7	6
36790	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	1	1	10	9
38200	Resistors, capacitors, transformers, sockets and other electronic components (except tubes, transistors, and diodes).....	25-10	-	(NA)	(NA)
99999	Pyrometers, gauges, heat regulators, and other instruments for measuring, testing, and controlling physical properties, including counting devices.....	6	3	(NA)	(NA)
	All other materials, containers, supplies, etc. not listed above.....	69	40	(NA)	(NA)
INDUSTRY 3571--COMPUTING AND RELATED MACHINES					
	Total materials, parts, containers, and supplies.....	847	(X)	469	(X)
	Not specified by kind (n.s.k.).....	24	(X)	5	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	823	100	464	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	3	(Z)	4	1
331012	Sheet and strip.....	6	1	6	1
331019	All other carbon steel mill shapes and forms.....	1	(Z)	2	1
331020	Alloy steel (except stainless).....	2	(Z)	1	(Z)
331031	Stainless steel.....	1	(Z)	(Z)	(Z)
Copper and copper-base alloy:					
335728	Bare wire for electrical conduction.....	4	1	(NA)	(NA)
335790	Insulated wire and cable.....	1	(Z)	(NA)	(NA)
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes.....	1	(Z)	(NA)	(NA)
335123	Plate, sheet and strip (including, military cups and discs).....	3	(Z)	(NA)	(NA)
Aluminum and aluminum base alloy:					
335202	Sheet, plate, and foil.....	1	(Z)	(Z)	(Z)
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.).....	1	(Z)	{ 1	1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc).....	(Z)	(Z)		
Casting (rough and semifinished):					
332300	Steel.....	1	(Z)	(Z)	(Z)
336100	Aluminum and aluminum-base alloy.....	3	(Z)	1	(Z)
Electric motors and generators:					
Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous.....	2	1	1	(Z)
362115	Fractional horsepower electric motors.....	8	1	5	1
362120	Integral horsepower motors and generators (1 hp. and over).....	4	1	1	(Z)
Bearings:					
356218	Ball.....	3	1	4	1
356228	Roller.....	(Z)	(Z)		
367010	Electron tubes, except X-ray.....	2	(Z)	(NA)	(NA)
367408	Solid state semiconductors.....	101	12	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	674	82	438	94
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:					
26000	Paper and paperboard products, except paperboard boxes and containers.....	7	1	4	1
28510	Paints, varnishes, lacquers, and enamels.....	1	(Z)	(NA)	(NA)
30790	Fabricated plastic products.....	4	(Z)	(NA)	(NA)
33560	Welding rods for gas welding.....	2	(Z)	(NA)	(NA)
33570	Insulated wire and cable.....	7	1	14	3
34500	Bolts, nuts, screws, rivets, and screw machine products.....	13	2	4	1
34610	Metal stampings.....	21	3	13	3
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	8	1	11	2

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3571--COMPUTING AND RELATED MACHINES--Continued						
ESTIMATES BASED ON SUPPLEMENTAL SURVEY--Continued						
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	8	1	7	2	
35710	Parts and attachments specially designed for computing and accounting machines.....	391	48	213	46	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	29	4	28	6	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	30	4	8	2	
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	85	10	68	15	
99999	All other materials, containers, supplies, etc., not listed above.....	68	8	(NA)	(NA)	
INDUSTRY 3579--OFFICE MACHINES, N.E.C.						
	Total materials, parts, containers, and supplies.....	78	(X)	67	(X)	
	Not specified by kind (n.s.k.).....	17	(X)	7	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	61	100	60	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	1	2	1	1	
331012	Sheet and strip.....	4	6	3	5	
331017	Wire and wire products.....	3	5	1	2	
331019	All other carbon steel mill shapes and forms.....	1	2	1	2	
331020	Alloy steel (except stainless).....	1	2	1	2	
331031	Stainless steel.....	1	2	1	2	
335003	Copper and copper-base alloy.....	1	2	(NA)	(NA)	
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	2	1	2	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	2			
335209	All other aluminum mill shapes and forms.....	1	2			
Castings (rough and semifinished):						
336100	Aluminum and aluminum-base alloy.....	1	2	2	3	
Electric motors and generators:						
362115	Fractional horsepower electric motors (except timing) (under 1 hp.).....	2	3	1	2	
970099	All other materials and components, parts, containers, and supplies consumed.....	44	72	48	80	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26000	Paper and paperboard products, except paperboard boxes and containers.....	3	5	9	15	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	2	3	2	3	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	3	5	1	2	
28210	Plastic and resin materials, including moulding and extrusion.....	2	3	1	2	
30000	Fabricated rubber and plastic products, except gaskets.....	5	8	2	3	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	4	7	6	10	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	1	2	2	3	
34610	Metal stampings.....	3	5	2	3	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	1	2	1	2	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	2	3	3	5	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	1	2	1	2	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	2	3	1	2	
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	4	7	4	7	
99999	All other materials, containers, supplies, etc., not listed above.....	10	16	(NA)	(NA)	
INDUSTRY 3581--AUTOMATIC VENDING MACHINES						
	Total materials, parts, containers, and supplies.....	109	(X)	68	(X)	
	Not specified by kind (n.s.k.).....	20	(X)	5	(X)	
	Total materials parts, containers, and supplies, less n.s.k.....	89	100	63	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331012	Sheet and strip.....	10	11	6	10	
331019	All other carbon steel mill shapes and forms.....	1	1	(Z)	(Z)	
331020	Alloy steel (except stainless).....	(Z)	(Z)			
331031	Stainless steel.....	3	4	1	2	
335003	Copper and copper-base alloy.....	1	1	(NA)	(NA)	
335200	Aluminum and aluminum-base alloy.....	1	1	1	2	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3581--AUTOMATIC VENDING MACHINES						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
	Electric motors and generators:					
362110	Fractional horsepower electric motors (under 1 hp.), timing motors synchronous and subsynchronous.....	3	4	(Z)	(Z)	
362115	Other fractional horsepower electric motors (excluding timing motors).....	2	2	2	3	
970099	All other materials and components, parts, containers, and supplies consumed.....	67	75	51	81	
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	2	2	1	2	
28510	Paints, varnishes, lacquers, and enamels.....	2	2	1	2	
30000	Fabricated rubber and plastic products, except gaskets.....	5	6	1	2	
32960	Mineral wool insulation, including glass fibers.....	1	1	2	3	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	2	2	1	2	
33575	Flexible cord sets and harness sets, complete.....	2	2	(NA)	(NA)	
34290	Metal hardware.....	3	3	1	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	3	3	2	3	
34610	Metal stampings.....	3	3	6	10	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	1	1	2	3	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	2	2	(NA)	(NA)	
35810	Coin-operated mechanisms (purchased separately).....	3	3	1	2	
35850	Compressors, compressor units, condensers, fans, coils, and other heat transfer equipment.....	15	17	(NA)	(NA)	
36010	Industrial electrical control and distribution equipment including coils, circuit breakers, switches, relays, transformers.....	6	7	10	16	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	3	3	2	3	
99999	All other materials, containers, supplies, etc., not listed above.....	14	16	(NA)	(NA)	
INDUSTRY 3585--REFRIGERATION MACHINERY						
	Total materials, parts, containers, and supplies.....	958	(X)	716	(X)	
	Not specified by kind (n.s.k.).....	73	(X)	34	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	885	100	682	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes.....	5	1	4	1	
331012	Sheet and strip.....	61	7	43	6	
331013	Plates.....	7	1	3	(Z)	
331015	Structural shapes.....	2	(Z)	2	(Z)	
331017	Wire and wire products.....	1	(Z)	2	(Z)	
331019	All other carbon steel mill shapes and forms.....	4	(Z)	5	1	
331020	Alloy steel except stainless.....	2	(Z)	3	-	
331031	Stainless steel.....	16	2	15	2	
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction).....	1	(Z)	2	(Z)	
335790	Insulated wire and cable.....			1	(Z)	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	(Z)			
335123	Plate, sheet, and strip (including military cups and discs).....	6	1	44	7	
335127	Pipe and tube.....	50	5			
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	25	3	21	3	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	2	(Z)			
335209	All other aluminum mill shapes and forms.....	1	(Z)	7	1	
	Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	31	4	25	4	
332300	Steel.....	8	1	2	(Z)	
336100	Aluminum and aluminum-base alloy.....	5	1	3	1	
336200	Copper and copper-base alloy.....	4	(Z)	2	(Z)	
339100	Iron and steel forgings.....	3	(Z)	1	(Z)	
	Electric motors and generators:					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous.....	5	1	7	1	
362115	Fractional horsepower electric motors (excluding timing motors).....	62	7	50	7	
362120	Integral horsepower motors and generators (1 hp. and over).....	69	8	52	8	
	Bearings:					
356218	Ball.....	2	(Z)	(NA)	(NA)	
260091	Paper and paperboard containers.....	8	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	504	57	388	57	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3585--REFRIGERATION MACHINERY--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	5	1	6	1	
24400	Complete wooden containers, including box shook and cooperage.....	10	1	10	1	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	13	1	10	1	
28510	Paints, varnishes, lacquers, and enamels.....	10	1	11	2	
30000	Fabricated rubber and plastic products, except gaskets.....	23	3	18	3	
32960	Mineral wool insulation, including glass fibers.....	6	1	6	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	1	(2)	(NA)	(NA)	
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349 (except 3491)).....	1	(2)	(NA)	(NA)	
34290	Metal hardware.....	7	1	7	1	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	19	2	16	2	
34610	Metal stampings.....	45	5	38	6	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	5	1	5	1	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	33	4	18	3	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	2	(2)	1	(2)	
35640	Fans and blowers.....	6	1	(NA)	(NA)	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	4	(2)	(NA)	(NA)	
35690	General office machinery, n.e.c.....	1	(2)	(NA)	(NA)	
35850	Compressors, compressor units, condensers, fins, coils, and other heat transfer equipment.....	125	14	105	15	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays.....	44	5	35	5	
36430	Appliance outlets, switches, lampholders, and other current carrying wiring devices.....	6	1	7	1	
38220	Automatic temperature controls (thermostats, regulators, etc.).....	34	4	15	2	
99999	All other materials, containers, supplies, etc., not listed above.....	104	12	(NA)	(NA)	
INDUSTRY 3589--SERVICE INDUSTRY MACHINES, N.E.C.						
Total materials, parts, containers, and supplies.....						
		151	(X)	96	(X)	
Not specified by kind (n.s.k).....						
		27	(X)	16	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		124	100	80	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	1	1	1	1	
331012	Sheet and strip.....	4	3	4	5	
331013	Plates.....	1	1	(2)	(2)	
331019	All other carbon steel mill shapes and forms.....	1	1	1	1	
331020	Alloy steel (except stainless).....	1	1	(2)	(2)	
331031	Stainless steel.....	10	8	7	9	
335003	Copper and copper-base alloy.....	2	1	1	1	
335200	Aluminum and aluminum-base alloy.....	1	1	1	1	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	4	3	3	4	
332300	Steel.....	1	1	(2)	(2)	
336100	Aluminum and aluminum-base alloy.....	4	3	2	3	
336200	Copper and copper-base alloy.....	1	1	1	1	
Electric motors and generators:						
362110	Fractional horsepower electric motors (under 1 hp.) timing motors, synchronous, and subsynchronous.....	1	1	1	1	
362115	Other fractional horsepower electric motors (excluding timing motors).....	4	3	2	3	
362120	Integral horsepower motors and generators (1 hp. and over).....	2	2	2	3	
970099	All other materials and components, parts, containers, and supplies consumed.....	86	69	54	67	
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
26500	Paper and paperboard products, except paperboard boxes and containers.....	1	1	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	7	6	8	10	
30000	Fabricated rubber and plastic products, except gaskets.....	5	4	3	4	
32900	Gaskets (all types), insulating materials, mica products and abrasives and abrasive products including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	5	4	2	3	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3589--SERVICE INDUSTRY MACHINES, N.E.C.--Continued						
ESTIMATES BASED ON SUPPLEMENTAL SURVEY--Continued						
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	1	1	1	1	
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349 (except 3491)).....	2	2	(NA)	(NA)	
34430	Fabricated boiler shop products, including boilers, tanks, heat exchangers and steam condensers.....	5	4	6	8	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	2	3	4	
34610	Metal stampings.....	3	2	1	1	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	8	6	4	5	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	6	5	3	4	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	5	4	3	4	
36430	Appliance outlets, switches, lampholders, and other current carrying wiring devices.....	5	4	1	1	
39810	Brooms and brushes, including industrial and maintenance types.....	2	2	1	1	
99999	All other materials, containers, supplies, etc., not listed above.....	29	23	(NA)	(NA)	
INDUSTRY 3599--MISCELLANEOUS MACHINERY						
	Total materials, parts, containers, and supplies.....	529	(X)	427	(X)	
	Not specified by kind (n.s.k.).....	191	(X)	129	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	338	100	298	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURERS:						
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes.....	22	7	15	5	
331012	Sheet and strip.....	11	3	8	3	
331013	Plates.....	6	2	5	2	
331015	Structural shapes.....	4	1	3	1	
331017	Wire and wire products.....	3	1	2	1	
331019	All other carbon steel mill shapes and forms.....	7	2	4	1	
	Alloy steel (except stainless)					
331021	Bars and bar shapes.....	6	2	6	2	
331029	All other alloy steel mill shapes and forms.....	6	2	2	1	
331031	Stainless steel.....	18	5	13	4	
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	3	1			
335123	Plate, sheet, and strip (including military cups and discs).....	2	1			
335127	Pipe and tube.....	4	1			
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	4	1	6	2	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	5	1	6	2	
335209	All other aluminum mill shapes and forms.....	6	2			
	Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	22	6	18	6	
332300	Steel.....	10	3	9	3	
336100	Aluminum and aluminum-base alloy.....	15	4	13	4	
336200	Copper and copper-base alloy.....	2	1	3	1	
970099	All other materials and components, parts, containers, and supplies consumed.....	181	54	172	58	
ESTIMATED BASED ON SUPPLEMENTARY SURVEY:						
26500	Paperboard containers and boxes including folding, corrugated, fiber and setup.....	10	3	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	(Z)	(NA)	(NA)	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	2	1	(NA)	(NA)	
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	4	1	(NA)	(NA)	
32930	Gaskets all types and asbestos packing.....	5	1	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	3	1	(NA)	(NA)	
33120	Blast furnace, steel works and rolling mill products.....	1	(Z)	(NA)	(NA)	
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349 (except 3491)).....					
34200	Hand and edge tools, except machine tools.....	15	4	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	1	(NA)	(NA)	
34610	Metal stampings.....	9	3	(NA)	(NA)	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	8	2	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	2	1	(NA)	(NA)	
36205	Electrodes for electrical welding.....	18	5	(NA)	(NA)	
36940	Electrical equipment for internal combustion engines.....	1	(Z)	(NA)	(NA)	
99999	All other material, containers, supplies, etc., not listed above.....	25-10	-	(NA)	(NA)	
		100	30	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3611--ELECTRIC MEASURING INSTRUMENTS					
	Total materials, parts, containers, and supplies.....	217	(X)	209	(X)
	Not specified by kind (n.s.k.).....	36	(X)	30	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	181	100	179	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
	Carbon steel:				
331012	Sheet and strip.....	2	1	2	1
331019	All other carbon steel mill shapes and forms.....	1	1	1	1
331020	Alloy steel (except stainless).....	2	1	1	1
331031	Stainless steel.....	1	1	1	1
	Copper and copper-base alloy:				
335728	Bare wire (for electrical conduction only).....	1	1	1	1
335790	Insulated wire and cable.....	3	1	3	2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	1		
335123	Plate, sheet, and strip (including military cups and discs).....	1	1	3	2
335127	Pipe and tube.....				
	Aluminum and aluminum-base alloy:				
335202	Sheet, plate, and foil.....	2	1	3	2
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	1	2	1
335209	All other aluminum mill shapes and forms.....	1			
	Castings (rough and semifinished):				
332300	Steel.....	1	1	1	1
336100	Aluminum and aluminum-base alloy.....	1	1	2	1
	Fractional horsepower electric motors (under 1 horsepower):				
362110	Timing motors, synchronous and subsynchronous.....	2	1	(Z)	(Z)
362115	Fractional horsepower electric motors (except timing motors).....	1	1	1	1
	Bearings:				
356218	Ball.....				
356228	Roller.....	1	1	(Z)	(Z)
367010	Electron tubes, except X-ray.....	10	6	8	4
367408	Solid state semiconductors.....	9	5	2	1
970099	All other materials and components, parts, containers, and supplies consumed.....	140	77	147	82
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26000	Paper and paperboard products, except paperboard boxes and containers.....	1	1	4	2
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	3	2	2	1
27000	Charts, chart paper, labels, coupons, and other printed material.....	3	2	4	2
28210	Plastic and resin materials, including moulding and extrusion.....	3	2	5	3
30000	Fabricated rubber and plastic products, except gaskets.....	4	2	5	3
32010	Glass and glass products.....	3	2	3	2
34500	Bolts, nuts, screws, rivets, and screw machine products.....	7	4	5	3
34610	Metal stampings.....	4	2	5	3
34990	Magnets.....	2	1	(NA)	(NA)
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	3	2	5	3
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	8	4	5	3
36110	Electrical meters and indicating instruments.....	3	2	(NA)	(NA)
36115	Electrical instrument mechanisms (meter movements) including instrument relays and instrument contact-making mechanisms.....	4	2	6	3
36119	Parts specially designed for integrating meters, test equipment and other electrical measuring instruments.....	3	2	(NA)	(NA)
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	7	4	12	7
36620	Radio and television transmitting, signaling, and detection equipment and apparatus.....	25-10	-	(NA)	(NA)
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	47	26	57	32
38215	Counting mechanisms for integrators, totalizers, and instruments.....	1	1	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	35	19	(NA)	(NA)
INDUSTRY 3612--TRANSFORMERS					
	Total materials, parts, containers, and supplies.....	325	(X)	246	(X)
	Not specified by kind (n.s.k.).....	5	(X)	6	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	320	100	240	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
	Carbon steel:				
331011	Bars and bar shapes.....	1	(Z)	1	(Z)
331012	Sheet and strip.....	39	12	13	6
331013	Plates.....	7	2	4	2
331015	Structural shapes.....	2	1	2	1
331019	All other carbon steel mill shapes and forms.....	4	1	3	1

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3612--TRANSFORMERS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
331020	Alloy steel (except stainless).....	43	14	45	19	
331031	Stainless steel.....	1	(Z)	1	(Z)	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction only).....	32	10	22	9	
335790	Insulated wire and cable.....	35	11	21	9	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	6	2			
335123	Plate, sheet, and strip (including military cups and discs).....	2	1	8	3	
335127	Pipe and tube.....	1	(Z)			
Aluminum and aluminum-base alloy:						
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	(Z)	(NA)	(NA)	
335207	Sheet, plate, and foil.....	2	1	(NA)	(NA)	
335209	All other aluminum mill shapes and forms.....					
970099	All other materials and components, parts, containers, and supplies consumed.....	144	45	119	50	
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	2	1	2	1	
26000	Paper and paperboard products, except paperboard boxes and containers.....	11	3	7	3	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	4	1	2	1	
28510	Paints, varnishes, lacquers, and enamels.....	4	1	3	1	
29000	Lubricating oils, greases and other petroleum products, including asphalt.....	8	3	9	4	
30790	Fabricated plastic products.....	1	(Z)	(NA)	(NA)	
32640	Porcelain, steatite, and other ceramic electrical products.....	16	5	11	5	
32900	Gaskets (all types), insulating materials, mica products and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs except industrial diamonds.....	5	2	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	4	1	4	2	
34610	Metal stampings.....	4	1	7	3	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	36	11	(NA)	(NA)	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	8	3	7	3	
38200	Pyrometers, gauges, heat regulators, and other instruments for measuring, testing and controlling physical properties, including counting devices.....	3	1	2	1	
99999	All other materials, containers, supplies, etc., not listed above.....	38	12	(NA)	(NA)	
INDUSTRY 3613--SWITCHGEAR AND SWITCHBOARDS						
Total materials, parts, containers, and supplies.....						
		400	(X)	338	(X)	
Not specified by kind (n.s.k.).....						
		36	(X)	19	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		364	100	319	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	4	1	3	1	
331012	Sheet and strip.....	34	9	16	5	
331013	Plates.....	2	1	3	1	
331015	Structural shapes.....	2	1	3	1	
331019	All other carbon steel mill shapes and forms.....	2	1	1	(Z)	
331020	Alloy steel (except stainless).....	1	(Z)	3	1	
331031	Stainless steel.....	1	(Z)	1	(Z)	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction only).....	2	1	3	1	
335790	Insulated wire and cable.....	4	1	5	1	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	19	5			
335123	Plate, sheet, and strip (including military cups and discs).....	7	2	22	7	
335127	Pipe and tube.....	1	-			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	(Z)	2	1	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	3	1	2	1	
335209	All other aluminum mill shapes and forms.....	1	(Z)			
Castings (rough and semifinished):						
332300	Steel.....	1	(Z)	4	1	
336100	Aluminum and aluminum-base alloy.....	3	1	2	1	
336200	Copper and copper-base alloy.....	7	2	6	2	
Industrial electrical control equipment (received for incorporation only into other industrial electrical control equipment shipped, as such, by this plant):						
362200	Purchased from other companies.....	40	11	32	10	
362209	Received from other plants of your company.....	47	13	41	13	
282130	Thermoplastic resins, including modified resins.....	1	(Z)	(NA)	(NA)	
282140	Thermosetting resins.....	4	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	177	49	170	53	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3613--SWITCHGEAR AND SWITCHBOARDS--Continued						
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:						
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	4	1	4	1	
28510	Paints, varnishes, lacquers, and enamels.....	3	1	4	1	
29110	Lubricating oils, greases, and other refined petroleum products.....	1	(2)	(NA)	(NA)	
30000	Fabricated rubber and plastic products, except gaskets.....	23	6	(NA)	(NA)	
32640	Porcelain, steatite, and other ceramic electrical products.....	16	4	12	4	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	7	2	11	3	
34440	Sheet metal products, except stampings.....	4	1	7	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	12	3	9	3	
34610	Metal stampings.....	1	(2)	3	1	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	4	1	4	1	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	7	2	7	2	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	4	1	(NA)	(NA)	
36110	Electrical meters and indicating instruments.....	12	3	10	3	
36120	Transformers, power and distribution.....	4	1	4	1	
36130	Switches (except snap, toggle and push) and circuit breakers.....	3	1	1	(2)	
36200	Industrial capacitors, rheostats, resistors, and electrical coil windings.....	4	1	7	2	
36210	Electric motor and power generators.....	1	(2)	2	1	
36430	Appliance outlets, switches, lampholders, and other current carrying wiring devices...	17	5	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes, and other electronic type components.....	6	2	6	2	
99999	All other materials, containers, supplies, etc., not listed above.....	44	12	(NA)	(NA)	
INDUSTRY 3621--MOTORS AND GENERATORS						
Total materials, parts, containers, and supplies.....						
		662	(X)	500	(X)	
	Not specified by kind (n.s.k.).....	34	(X)	9	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	628	100	491	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	22	4	9	2	
331012	Sheet and strip.....	96	15	59	12	
331013	Plates.....	9	1	8	2	
331017	Wire and wire products.....	3	1	1	(2)	
331019	All other carbon steel mill shapes and forms.....	5	1	7	2	
331020	Alloy steel (except stainless).....	7	1	13	3	
331031	Stainless steel.....	4	1	2	(2)	
Copper and copper-base alloy:						
335728	Bare wire.....	15	2	26	5	
335790	Insulated wire and cable.....	66	10	42	9	
335102	Rod, bar, and mechanical wire.....	28	4			
335123	Plate, sheet, and strip.....	3	1	12	2	
335127	Pipe and tube.....	(Z)	(Z)			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	(Z)	1	(Z)	
335205	Extruded shapes.....	2	(Z)	14	3	
335209	All other aluminum mill shapes and forms.....	4	1			
Primary metals:						
333122	Copper and copper-base alloy refinery shapes.....	1	(Z)	1	(Z)	
333401	Aluminum and aluminum-base alloy refinery shapes.....	6	1	(NA)	(NA)	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	29	4	22	4	
332300	Steel.....	3	1	3	1	
336100	Aluminum and aluminum-base alloy.....	14	2	8	2	
336200	Copper and copper-base alloy.....	2	(Z)	1	(Z)	
339100	Iron and steel forgings.....	4	1	3	1	
Engines:						
351920	Diesel and semidiesel.....	5	1	2	(Z)	
351901	Gasoline and other carburetor.....	3	1	4	1	
362120	Integral horsepower electric motors and generators (1 hp. and over).....	6	1	10	2	
Bearings:						
356218	Ball.....	19	3			
356228	Roller.....	2	(Z)	12	2	
367010	Electron tubes, except X-ray.....	2				
367408	Solid state semiconductors.....	2	1	(NA)	(NA)	
970099	All other materials, components, parts, containers, and supplies consumed.....	265	42	231	47	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3621--MOTORS AND GENERATORS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26000	Paper and paperboard products, except paperboard boxes and containers.....	6	1	4	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	7	1	5	1	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	(Z)	3	1	
28210	Plastic and resin materials, including moulding and extrusion.....	9	1	6	1	
28510	Paints, varnishes, lacquers, and enamels.....	7	1	8	2	
29110	Lubricating oils, greases, and other refined petroleum products.....	1	(Z)	(NA)	(NA)	
30000	Fabricated rubber and plastic products, except gaskets.....	11	2	8	2	
32900	Mica, mica products and insulating materials.....	8	1	(NA)	(NA)	
34200	Hand and edge tools, except machine tools.....	5	1	6	1	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	12	2	11	2	
34610	Metal stampings.....	11	2	10	2	
35400	Dies, jigs, fixtures, punches and cutting tools for machines.....	20	3	21	4	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	13	2	18	4	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	25	4	27	5	
36200	Industrial capacitors, rheostats, resistors and electrical coil windings.....	7	1	9	2	
36210	Electric motor and power generators.....	45	7	14	3	
36240	Carbon brushes, electrodes, and other carbon and graphite products.....	8	1	6	1	
36430	Appliance outlets, switches, lampholders, and other current carrying wiring devices.....	1	(Z)	(NA)	(NA)	
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	11	2	18	4	
99999	All other materials, containers, supplies, etc., not listed above.....	57	9	(NA)	(NA)	
INDUSTRY 3622--INDUSTRIAL CONTROLS						
Total materials, parts, containers, and supplies.....						
	196	(X)	113	(X)		
Not specified by kind (n.s.k).....						
	27	(X)	8	(X)		
Total materials, parts, containers, and supplies, less n.s.k.....						
	169	100	105	100		
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	2	1	1	1	
331012	Sheet and strip.....	6	4	3	3	
331015	Structural shapes.....	1	1	1	1	
331019	All other carbon steel mill shapes and forms.....	1	1	(Z)	(Z)	
331031	Stainless steel.....	2	1	1	1	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction only).....	2	1	1	1	
335790	Insulated wire and cable.....	4	2	2	2	
335102	Rod, bar, and mechanical wire.....	2	1			
335123	Plate, sheet, and strip.....	3	2	4	4	
335127	Pipe and tube.....	(2)	(Z)	(Z)		
355200	Aluminum and aluminum-base alloy.....	1	1	(Z)	(Z)	
Castings (rough and semifinished):						
332300	Steel.....	2	1	1	1	
336100	Aluminum and aluminum-base alloy.....	1	1	1	1	
336200	Copper and copper-base alloy.....	1	1	(Z)	(Z)	
Industrial electrical control equipment:						
362200	Purchased from other companies.....	31	18	14	13	
362209	Received from other plants of your company.....	17	10	8	8	
282140	Thermosetting resins.....	2	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	92	54	66	63	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	2	1	1	1	
30000	Fabricated rubber and plastic products, except gaskets.....	9	5	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	3	2	3	3	
34440	Sheet metal products, except stampings.....	2	1	2	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	8	5	3	3	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	2	1	1	1	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	7	4	2	2	
36110	Electrical meters and indicating instruments.....	1	1	2	2	
36120	Transformers, power and distribution.....	4	2	2	2	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3622--INDUSTRIAL CONTROLS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY--Continued						
36130	Switches (except snap, toggle and push) and circuit breakers.....	3	2	3	3	
36210	Electric motor and power generators.....	1	1	2	2	
36290	Industrial capacitors (power, motor, filler, etc.) coil windings, battery chargers, and other industrial electrical apparatus.....	6	4	(NA)	(NA)	
36430	Appliance outlets, switches, lampholders, and other current carrying wiring devices.....	9	5	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes, and other electronic type components.....	6	4	3	3	
99999	All other materials, containers, supplies, etc., not listed above.....	29	17	(NA)	(NA)	
INDUSTRY 3623--ELECTRIC WELDING APPARATUS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	151	(X)	122	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	10	(X)	3	(X)	
		141	100	119	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	2	1	2	2	
331012	Sheet and strip.....	5	4	4	3	
331017	Wire and wire products.....	36	25	36	30	
331015	Structural shapes.....	1	1	3	3	
331019	All other carbon steel mill shapes and forms.....	3	2			
331020	Alloy steel (except stainless).....	5	4	2	2	
331031	Stainless steel.....	13	9	6	5	
Copper and copper-base alloy:						
335728	Bare wire.....	1	1	1	1	
335790	Insulated wire and cable.....	4	3	3	2	
335102	Rod, bar, and mechanical wire.....	4	3			
335123	Plate, sheet, and strip.....	(Z)	(Z)	3	2	
335127	Pipe and tube.....	(Z)	(Z)			
336200	Copper and copper-base alloy castings.....	2	1	2	2	
970099	All other materials, components, parts, containers, and supplies consumed.....	64	45	57	48	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	24	17	(NA)	(NA)	
33600	Nonferrous metal castings, including copper and aluminum, rough and semifinished.....	1	1	(NA)	(NA)	
35190	Parts and accessories designed for internal combustion engines, except automobile and aircraft engines.....	25-10	-	(NA)	(NA)	
36220	Industrial power circuit devices and controls, including resistance welder transformers.....	12	9	(NA)	(NA)	
36230	Components and accessories specially designed for welding apparatus.....	6	4	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	21	15	(NA)	(NA)	
INDUSTRY 3629--ELECTRIC INDUSTRIAL GOODS, N.E.C.						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	93	(X)	86	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	14	(X)	12	(X)	
		79	100	74	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Copper and copper-base alloy:						
335728	Bare wire.....	3	4	4	5	
335790	Insulated wire and cable.....	8	10	5	7	
335102	Rod, bar, and mechanical wire.....	2	3			
335123	Plate, sheet, and strip.....	(Z)	(Z)	2	3	
335127	Pipe and tube.....	(Z)	(Z)			
Aluminum and aluminum-base alloy:						
335202	Sheet plate and foil.....	2	3			
335205	Extruded shapes.....	1	1	(NA)	(NA)	
335209	All other aluminum mill shapes and forms.....					
367408	Solid state semiconductors.....	2	2	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	60	76	63	85	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26000	Paper and paperboard products, except paperboard boxes and containers.....	10	13	8	11	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	1	1	1	1	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....					
28510	Paints, varnishes, lacquers, and enamels.....	3	4	2	3	
32640	Porcelain, stearite, and other ceramic electrical products.....	1	1	1	1	
33010	Iron and steel shapes and forms (bars, sheets, strip, castings, forgings, etc.).....	4	5	2	3	
		3	4	5	7	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3629--ELECTRIC INDUSTRIAL GOODS, N.E.C.--Continued					
33030	ESTIMATES BASED ON SUPPLEMENTARY SURVEY:--Continued Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing wire), excluding materials previously reported in Item 17 of applicable report form.....	8	10	11	15
34020	Miscellaneous fabricated metal products, including hand tools, metal hardware, fabricated wire products, steel springs, metal pipe valves, and fittings (SIC Industry Groups 342, 347, 348, 349, (except 3491)).....	2	3	1	1
34500	Bolts, nuts, screws, rivets, and screw machine products.....	1	1	2	3
34610	Metal stampings.....	3	4	2	3
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	6	7	5	7
36200	Industrial capacitors, rheostats, resistors and electrical coil winding.....	2	3	2	3
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	1	1	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	15	19	(NA)	(NA)
INDUSTRY 3631--HOUSEHOLD COOKING EQUIPMENT					
	Total materials, parts, containers, and supplies.....	236	(X)	174	(X)
	Not specified by kind (n.s.k.).....	27	(X)	5	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	209	100	169	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
	Carbon steel:				
331012	Sheet and strip.....	40	19	36	21
331017	Wire and wire products.....	1	1	1	1
331011	Bars and bar shapes.....				
331015	Structural shapes.....	(Z)	(Z)		
331013	Plates.....			1	1
331019	All other carbon steel mill shapes and forms.....	1	(Z)		
331020	Alloy steel (except stainless).....	5	2	5	3
331031	Stainless steel.....				
	Copper and copper-base alloy:				
335790	Insulated wire and cable.....	1	(Z)	1	1
335102	Rod, bar, and mechanical wire.....				
335123	Plate, sheet, and strip.....	1	(Z)	(Z)	(Z)
335127	Pipe and tube.....				
	Aluminum and aluminum-base alloy:				
335202	Sheet, plate, and foil.....	1	(Z)	(Z)	(Z)
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	1	(Z)	(Z)	(Z)
335209	All other aluminum mill shapes and forms.....				
	Castings (rough and semifinished):				
332011	Iron (gray and malleable).....	3	1	3	2
336100	Aluminum and aluminum-base alloy.....	(D)	(D)	1	1
	Fractional horsepower electric motors (under 1 hp.):				
362110	Timing motors, synchronous and subsynchronous.....	1	(Z)	2	1
362115	Other fractional horsepower electric motors (except timing motors).....	2	1	1	1
260091	Paper and paperboard containers.....	4	2	3	2
970099	All other materials and components, parts, containers, and supplies consumed.....	147	70	112	66
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	3	1	3	2
28510	Paints, varnishes, lacquers, and enamels.....	5	2	1	1
32010	Glass and glass products.....	6	3	2	1
32900	Gaskets (all types), insulating materials, mica products and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	4	2	1	1
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	2	1	(NA)	(NA)
34290	Metal hardware.....	4	2	4	2
34500	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	5	2	3	2
34610	Metal stampings.....	20	10	11	7
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	4	2	5	3
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	11	5	6	4
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	3	1	2	1
36310	Cooking burners, oil, gas, and electric.....	10	5	6	4
36340	Heating units for electrical appliances.....	1	(Z)	3	2
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	12	6	11	7
38220	Automatic temperature controls (thermostats, regulators, etc.).....	19	9	17	10
38710	Clocks, timers, and timing mechanisms, including electric.....	9	4	6	4
99999	All other materials, containers, supplies, etc., not listed above.....	29	14	(NA)	(NA)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3632--HOUSEHOLD REFRIGERATORS					
	Total materials, parts, containers, and supplies.....	649	(X)	507	(X)
	Not specified by kind (n.s.k.).....	31	(X)	6	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	618	100	501	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331012	Sheet and strip.....	98	16	92	18
331017	Wire and wire products.....	1	(Z)	5	1
331019	All other carbon steel mill shapes and forms.....	7	1		
331020	Alloy steel (except stainless).....	4	1	1	(Z)
331031	Stainless steel.....			3	1
Copper and copper-base alloy:					
335790	Insulated wire and cable.....	2	(Z)	1	(Z)
335728	Bare wire (for electrical conduction).....				
335102	Rod, bar, and mechanical wire.....				
335123	Plate, sheet, and strip.....	13	2	8	2
335127	Pipe and tube.....				
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	12	2	12	2
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	4	1	5	1
335209	All other aluminum mill shapes and forms.....	1	(Z)		
Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	7	1	3	1
336100	Aluminum and aluminum-base alloy.....	3	(Z)	(NA)	(NA)
Electric motors and generators:					
Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous.....	4	1	(NA)	(NA)
362115	Fractional horsepower electric motors (except timing).....	54	9	20	4
362120	Integral horsepower electric motors (1 hp. and over).....	(D)	(D)	3	1
Bearings:					
356218	Ball.....	3	1	(NA)	(NA)
260091	Paper and paperboard containers.....	17	3	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	388	63	348	69
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood and wood products except complete containers.....	3	(Z)	4	1
24400	Complete wooden containers, including box, shuck and cooperage.....	3	(Z)	10	2
26000	Paper and paperboard products, except paperboard boxes and containers.....	4	1	5	1
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....				
28210	Plastic and resin materials including moulding and extrusion.....	16	3	8	2
28510	Paints, varnishes, lacquers, and enamels.....	3	(Z)	(NA)	(NA)
30000	Fabricated rubber and plastic products, except gaskets.....	10	2	10	2
32960	Mineral wool insulation, including glass fibers.....	65	11	62	12
33575	Flexible cord sets and harness sets, complete.....	19	3	14	3
34290	Metal hardware.....	9	1	6	1
34500	Bolts, nuts, screws, rivets, and screw machine products.....	20	3	22	4
34610	Metal stampings.....	14	2	11	2
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	16	3	23	5
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	17	3	14	3
35850	Compressors, compressor units, condensers, fans, coils, and other heat transfer equipment.....	7	1	3	1
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	78	13	87	17
36430	Heating units for electrical appliances.....	28	5	8	2
38220	Automatic temperature controls (thermostats, regulators, etc.).....	17	3	7	1
99999	All other materials, containers, supplies, etc., not listed above.....	17	3	8	2
		42	7	(NA)	(NA)
INDUSTRY 3633--HOUSEHOLD LAUNDRY EQUIPMENT					
	Total materials, parts, containers, and supplies.....	396	(X)	408	(X)
	Not specified by kind (n.s.k.).....	9	(X)	2	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	387	100	406	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	5	1	5	1
331012	Sheet and strip.....	61	16	51	13
331017	Wire and wire products.....	1	(Z)		
331019	All other carbon steel mill shapes and forms.....	2	1	1	(Z)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3633--HOUSEHOLD LAUNDRY EQUIPMENT--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
331020	Alloy steel (except stainless).....	(z)	(z)			
331031	Stainless steel.....	1	(z)	1	(z)	
335790	Copper and copper-base alloy: Insulated wire and cable.....	1	(z)	3	1	
335200	Aluminum and aluminum-base alloy.....	1	(z)	2	1	
332011	Castings (rough and semifinished): Iron (gray and malleable).....	11	3	9	2	
336100	Aluminum and aluminum-base alloy.....	6	2	6	1	
362110	Fractional horsepower electric motors (under 1 hp.): Timing motors, synchronous and subsynchronous.....	4	1	3	1	
362115	Other fractional horsepower electric motors (except timing).....	52	13	53	13	
260091	Paper and paperboard containers.....	11	3	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	231	60	272	67	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24400	Complete wooden containers, including box shook and cooperage.....	3	1	9	2	
27000	Charts, chart paper, labels, coupons, and other printed materials.....	1	(z)	(z)	(z)	
28510	Paints, varnishes, lacquers, and enamels.....	5	1	6	1	
30600	Rubber hose, V-belts, rolls and other fabricated rubber products, except gaskets.....	21	5	24	6	
30790	Fabricated plastic products.....	16	4	19	5	
32900	Gaskets (all types), insulating materials, mica products and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	1	(z)	(z)	(z)	
33690	Zinc and zinc-base alloy castings, rough and semifinished.....	17	4	17	4	
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349 (except 3491)).....	6	2	7	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	10	3	12	3	
34610	Metal stampings.....	20	5	40	10	
34615	Vitreous (porcelain) enameled tubs and other enameled parts.....	16	4	20	5	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers.....	6	2	18	4	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	8	2	24	6	
36330	Wringers, complete, and other parts and attachments for laundry equipment.....	5	1	(NA)	(NA)	
38010	Timing mechanisms, clock movements, thermostats, and other controlling instruments.....	35	9	41	10	
99999	All other materials, containers, supplies, etc., not listed above.....	60	16	(NA)	(NA)	
INDUSTRY 3634--ELECTRIC HOUSEWARES AND FANS						
Total materials, parts, containers, and supplies.....						
		336	(X)	213	(X)	
Not specified by kind (n.s.k.).....						
		32	(X)	36	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		304	100	177	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	2	1	1	1	
331012	Sheet and strip.....	18	6	9	5	
331017	Wire and wire products.....	1	(z)	1	1	
331019	All other carbon steel mill shapes and forms.....	3	1	1	1	
331020	Alloy steel (except stainless).....	8	2	1	1	
331031	Stainless steel.....	2	1	2	1	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction).....	3	1	1	1	
335790	Insulated wire and cable.....	6	2	5	3	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	(z)	(z)			
335123	Plate, sheet and strip (including, military cups and discs).....	1	(z)	3	2	
335127	Pipe and tube.....	(z)	(z)			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	6	2	4	2	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	1	(z)	2	1	
335209	All other aluminum mill shapes and forms.....	2	1			
Castings (rough and semifinished):						
336100	Aluminum and aluminum-base alloy.....	6	2	8	4	
Fractional horsepower electric motors (under 1 hp.):						
362110	Timing motors, synchronous and subsynchronous.....	2	1	2	1	
362115	Other fractional horsepower electric motors (except timing).....	15	5	6	3	
260091	Paper and paperboard containers.....	14	5	6	3	
970099	All other materials and components, parts, containers, and supplies consumed.....	214	70	125	71	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3634--ELECTRIC HOUSEWARES AND FANS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22010	Fabrics, yarn and threads.....	6	2	7	4	
27000	Charts, chart paper, labels and coupons, and other printed material.....	3	1	2	1	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	8	3	3	2	
28210	Plastic and resin materials, including moulding and extrusion.....	17	6	5	3	
28510	Paints, varnishes, lacquers and enamels.....	5	2	2	2	
30000	Fabricated rubber and plastic products, except gaskets.....	26	9	4	2	
31720	Personal goods, including watch straps, shaver cases, and jewelery cases.....	4	1	5	3	
32010	Glass and glass products.....	2	1	5	3	
32900	Gaskets (all types) insulating materials, mica products, and abrasives and abrasive products.....	5	2	1	1	
33560	Rolling, drawing, and extruding of nonferrous metals, excluding copper and aluminum.....	2	1	(NA)	(NA)	
33575	Flexible cord sets and harness sets, complete.....	14	5	8	5	
33690	Zinc and zinc-base alloy castings, rough and semifinished.....	10	3	10	6	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	16	5	6	3	
34610	Metal stampings.....	16	5	17	10	
35400	Jigs, fixtures, punches, dies, and cutting tools for machine tools.....	17	6	1	1	
36210	Electric motors and power generators.....	3	1	1	1	
36400	Electric wiring, devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	8	3	4	2	
38220	Automatic temperature controls (thermostats, regulators, etc.).....	3	1	5	3	
99999	All other materials, containers, supplies, etc., not listed above.....	45	15	(NA)	(NA)	
INDUSTRY 3639--HOUSEHOLD APPLIANCES, N.E.C.						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	216	(X)	195	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	39	(X)	3	(X)	
		177	100	192	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331012	Sheet and strip.....	39	22	40	21	
331013	Plates.....	1	1	1	1	
331017	Wire and wire products.....			1	1	
331015	Structural shapes.....	5	3	3	1	
331019	All other carbon steel mill shapes and forms.....					
331020	Alloy steel, except stainless.....	(2)	(Z)	1	1	
331031	Stainless steel.....	2	1			
Copper and copper-base alloy:						
335102	Rod, bar, and mechanical wire.....	1	1			
335123	Plate, sheet, and strip.....	1	1	3	1	
335127	Pipe and tube.....	2	1			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	1	2	1	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	(2)	(Z)	1	1	
335209	All other aluminum mill shapes and forms.....	1	1			
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	3	2	3	1	
336100	Aluminum and aluminum-base alloy.....	2	1	2	1	
Fractional horsepower electric motors (under 1 hp.):						
362110	Timing motors, synchronous and subsynchronous.....	2	1	1	1	
362115	Other fractional horsepower electric motors (except timing).....	14	8	11	6	
260091	Paper and paperboard containers.....	7	4	5	3	
970099	All other materials and components, parts, containers, and supplies consumed.....	95	54	118	61	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	1	1	1	
28510	Paints, varnishes, lacquers, and enamels.....	4	2	4	3	
30000	Fabricated rubber and plastic products.....	9	5	6	5	
32900	Gaskets (all types) insulating material, mica products and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs except industrial diamonds.....	3	2	3	3	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing and wire, excluding materials previously reported in Item 17 of applicable report form).....	5	3	4	3	
34330	Heat burners (oil and gas).....	1	1	3	3	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	5	3	9	8	
34610	Metal stampings.....	5	3	5	4	
34900	Fabricated metal pipe valves and pipe fittings, except plumbers'.....	5	3	10	8	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3639--HOUSEHOLD APPLIANCES, N.E.C.--Continued					
35400	ESTIMATES BASED ON SUPPLEMENTARY SURVEY--Continued				
35600	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	2	1	2	2
	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission factors.....	2	1	(Z)	(Z)
35660	Plain bearings and bushings, speed reducers, gears, and other mechanical power transmission equipment.....	1	1	3	3
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	2	1	2	2
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	2	1	5	4
38220	Automatic temperature controls (thermostats, regulators, etc.).....	20	11	25	21
99999	All other materials, containers, supplies, etc., not listed above.....	28	16	(NA)	(NA)
INDUSTRY 3641--ELECTRIC LAMPS					
	Total materials, parts, containers, and supplies.....	184	(X)	125	(X)
	Not specified by kind (n.s.k.).....	6	(X)	-	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	178	100	125	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
335102	Copper and copper-base alloy:				
335123	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	2	1	(NA)	(NA)
335728	Plate, sheet, and strip, including military cups and discs.....	(D)	(D)	(NA)	(NA)
335790	Bare wire.....	(D)	(D)	(NA)	(NA)
	Insulated wire and cable.....				
335200	Aluminum and aluminum-base alloy.....	(D)	(D)	(NA)	(NA)
260091	Paper and paperboard containers.....	15	9	11	9
970099	All other materials, parts, containers, and supplies consumed.....	161	90	114	91
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
10640	Tungsten ores and concentrates.....	5	3	(NA)	(NA)
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	14	8	5	4
28510	Paints, varnishes, lacquers, and enamels.....	1	1	3	2
32010	Glass and glass products.....	53	30	42	34
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire,) excluding materials previously reported in Item 17 of applicable report form).....	8	4	5	4
35590	Special industry machinery and parts.....	1	1	(NA)	(NA)
36990	Components for electric lamp bulbs, including bases, supports, lead-ins, filaments.....	69	39	49	39
99999	All other materials, containers, supplies, etc., not listed above.....	10	6	(NA)	(NA)
INDUSTRY 3642--LIGHTING FIXTURES					
	Total materials, parts, containers, and supplies.....	539	(X)	379	(X)
	Not specified by kind (n.s.k.).....	123	(X)	82	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	416	100	297	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
331011	Carbon steel:				
331012	Bars and bar shapes.....	1	(Z)	1	1
331017	Sheet and strip.....	40	10	33	11
331015	Wire and wire products.....	1	(Z)	2	1
331013	Structural shapes.....	1	(Z)	2	1
331019	Plates.....	4	1	4	1
	All other carbon steel mill shapes and forms.....	4	1		
331020	Alloy steel (except stainless).....	3	1	2	1
331031	Stainless steel.....	2	(Z)	1	(Z)
335728	Copper and copper-base alloy:				
335790	Bare wire (for electrical conduction).....	2	(Z)	(Z)	(Z)
335102	Insulated wire and cable.....	7	2	4	1
335123	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	(Z)		
335127	Plate, sheet, and strip, including military cups and discs.....	3	1	5	2
	Pipes and tubes.....	2	(Z)		
335202	Aluminum and aluminum-base alloy:				
335205	Sheet, plate, and foil.....	11	3	7	2
335209	Extruded shapes, including rod, bar, pipe, tube, etc.....	5	1	5	2
	All other aluminum mill shapes and forms.....	1	(Z)		
333401	Aluminum and aluminum-base alloy refinery shapes.....	2	(Z)	1	1

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3642--LIGHTING FIXTURES--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
332011	Castings (rough and semifinished): Iron (gray and malleable).....	2	(Z)	1	(Z)	
332300	Steel.....	2	(Z)	2	(Z)	
336100	Aluminum and aluminum-base alloy.....	6	1	6	2	
336200	Copper and copper-base alloy.....	2	(Z)	1	(Z)	
282130	Thermoplastic resins, including modified resins (includes resin content of vinyls and dry bases for cellulosics, polyethylene, polypropylenes, styrenes, etc., includes granules, pellets, powder, liquid, etc., and excludes sheets, rods, tubes and other shapes).....	6	1	(NA)	(NA)	
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.) (includes granules, pellets, powder, liquid, etc. and excludes sheets, rods, tubes, and other shapes).....	1	(Z)	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	308	74	220	74	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	2	1	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	22	5	16	5	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	(Z)	1	(Z)	
28510	Paints, varnishes, lacquers, and enamels.....	8	2	6	2	
30000	Fabricated rubber and plastic products, except gaskets.....	21	5	13	4	
32010	Glass and glass products.....	49	12	33	11	
33690	Zinc and zinc-base alloy castings, rough and semifinished.....	2 <sup>5-10</sup>	-	(NA)	(NA)	
34500	Bolts, nuts, and screws, rivets and screw machine products.....	15	4	21	7	
34610	Metal stampings.....	11	3	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	7	2	3	1	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	3	1	(NA)	(NA)	
36120	Transformers, power and distribution.....	48	12	29	10	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	25	6	22	7	
36410	Electric lamps (bulbs), including fluorescent.....	15	4	21	7	
36420	Metal reflectors, brackets and other fittings for lighting fixtures.....	6	1	12	4	
99999	All other materials, containers, and supplies, not listed above.....	76	18	(NA)	(NA)	
INDUSTRY 3643--CURRENT CARRYING DEVICES						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	1	1	(Z)	(Z)	
331012	Sheet and strip.....	4	2	3	2	
331017	Wire and wire products.....	2	1	2	2	
331020	Alloy steel (except stainless).....	3	2	(Z)	(Z)	
331031	Stainless steel.....	1	1	1	1	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction).....	3	2	2	1	
335790	Insulated wire and cable.....	6	3	4	3	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	7	4			
335123	Plate, sheet, and strip, including military cups and discs.....	18	10	17	12	
335127	Pipe and tube.....	3	2			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	2	1	2	1	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	1			
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, welded tubing, etc.).....	2	1	1	1	
Refinery shapes:						
333122	Copper and copper-base alloy.....	2	1	3	2	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	(Z)	(Z)	(Z)	(Z)	
336100	Aluminum and aluminum-base alloy.....	2	1	1	1	
336200	Copper and copper-base alloy.....	2	1	2	1	
282130	Thermoplastic resins, including modified resins (includes resin content of vinyls and dry bases for cellulosics, polyethylenes, polypropylenes, styrenes, etc., includes granules, pellets, powder, liquid, etc., and excludes sheets, rods, tubes, and other shapes).....	6	3			
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.) (includes granules, pellets, powder, liquid, etc. and excludes sheets, rods, tubes, and other shapes).....	5	3	14	9	
999812	Copper and copper-base alloy.....	(D)	(D)	1	1	
999808	Aluminum and aluminum-base alloy.....	(D)	(D)	1	1	
970099	All other materials and components, parts, containers, and supplies consumed.....	106	60	91	63	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3643--CURRENT CARRYING DEVICES--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	6	3	5	3	
28210	Plastic and resin materials, including moulding and extrusion.....	4	2	14	10	
30000	Fabricated rubber and plastic products, except gaskets.....	12	7	12	8	
32640	Porcelain, steatite, and other ceramic electrical products.....	1	1	3	2	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	19	11	6	4	
34200	Hand and edge tools, except machine tools.....	1	1	1	1	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	6	3	12	8	
34610	Metal stampings.....	17	10	(NA)	(NA)	
34810	Wire cloth, springs and other nonelectrical fabricated wire products.....	1	1	2	1	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	2	1	4	3	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	6	3	10	7	
99999	All other materials, containers, and supplies, not listed above.....	31	18	(NA)	(NA)	
INDUSTRY 3644--NONCURRENT CARRYING DEVICES						
Total materials, parts, containers, and supplies.....						
	203	(X)	168	(X)	(X)	
Not specified by kind (n.s.k.).....						
	12	(X)	3	(X)	100	
Total materials, parts, containers, and supplies, less n.s.k.....						
	191	100	165			
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	12	6	12	7	
331012	Sheet and strip.....	34	18	25	15	
331017	Wire and wire products.....	2	1	1	1	
331019	All other carbon steel mill shapes and forms.....	31	16	32	19	
331020	Alloy steel (except stainless).....	1	1	1	(Z)	
331031	Stainless steel.....			1	(Z)	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction).....	(D)	(D)	9	5	
335790	Insulated wire and cable.....	(Z)	(Z)			
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	1			
335123	Plate, sheet, and strip, including military cups and discs.....	1	1	3	2	
335127	Pipe and tube.....	2	1			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	1	1	1	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	4	2	3	2	
335209	All other aluminum mill shapes and forms.....					
Refinery shapes:						
333122	Copper and copper-base alloy.....	2	1	1	1	
333401	Aluminum and aluminum-base alloy.....	1	1	1	1	
333348	Zinc and zinc-base alloy.....	3	1	3	2	
Castings (rough and semifinished):						
332011	Iron (gray and malleable).....	10	5	8	5	
336100	Aluminum and aluminum-base alloy.....	4	2	4	2	
336200	Copper and copper-base alloy.....	1	1	1	1	
282130	Thermoplastic resins, including modified resins (includes resin content of vinyls and dry bases for celluloses, polyethylenes, polypropylenes, styrenes, etc.) (includes granules, pellets, powder, liquid, etc., and excludes sheets, rods, tubes, and other shapes).....					
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.) (includes granules, pellets, powder, liquid, etc., and excludes sheets, rods, tubes, and other shapes).....	1	(Z)	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	2	1	(NA)	(NA)	
		78	41	60	36	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood, and wood products, except complete containers.....	1	1	(NA)	(NA)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	3	2	3	2	
28510	Paints, varnishes, lacquers, and enamels.....	1	1	1	1	
30000	Fabricated rubber and plastic products, except gaskets.....	5	3	4	2	
34230	Tools, hand and edge (files, rasps, punches, etc.).....	4	2	2	1	
34500	Bolts, nuts, screws, and rivets and screw machine products.....	5	3	8	5	
34610	Metal stampings.....	1	1	2	1	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	17	9	14	8	
99999	All other materials, containers, and supplies, not listed above.....	41	21	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3651--RADIO AND TV RECEIVING SETS					
	Total materials, parts, containers, and supplies.....	1,335	(X)	894	(X)
	Not specified by kind (n.s.k.).....	137	(X)	129	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	1,198	100	765	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331012	Sheet and strip.....	10	1	12	2
331019	All other carbon steel mill shapes and forms.....	2	(Z)	2	(Z)
331020	Alloy steel (except stainless).....	1	(Z)	1	(Z)
331031	Stainless steel.....	1	(Z)	(Z)	(Z)
Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction).....	2	(Z)	2	(Z)
335790	Insulated wire and cable.....	11	1	5	1
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....				
335123	Plate, sheet, and strip, including military cups and discs.....	1	(Z)	(Z)	(Z)
335127	Pipe and tube.....				
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	1	(Z)	2	(Z)
335205	Extruded shapes, (including extruded rod, bar, pipe, tube, etc.).....	1	(Z)	(Z)	(Z)
335209	All other aluminum mill shapes and forms.....				
336100	Aluminum and aluminum-base castings (rough and semifinished).....	1	(Z)	1	(Z)
Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous.....	3	(Z)	5	1
362115	Other fractional horsepower electric motors, except timing motors.....	6	1	3	(Z)
367010	Electron tubes except X-ray.....	274	23	135	18
367401	Solid state semiconductors.....	24	2	16	2
339913	Ferrites (powders and paste).....	1	(Z)	1	(Z)
970099	All other materials and components, parts, containers, and supplies consumed.....	860	72	579	76
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
25100	Radio, TV, and phonograph cabinets (all materials).....	189	16	122	16
26000	Paper and paperboard products except paperboard boxes and containers.....	10	1	4	1
26500	Paperboard containers and boxes including folding, corrugated, fiber, and setup.....	16	1	13	2
28010	Industrial chemical and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	(Z)	(NA)	(NA)
30000	Fabricated rubber and plastic products except gaskets.....	24	2	18	2
32010	Glass and glass products.....	30	3	21	3
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups, 342,347, 348,349 (except 3491)).....	25	2	(NA)	(NA)
34500	Bolts, nuts, screws, rivets and screw machine products.....	14	1	8	1
34610	Metal stampings.....	33	3	20	3
36400	Electrical wiring devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	14	1	12	2
36510	Loudspeakers, microphones, timers (all types) and radios.....	122	10	92	12
36790	Resistors, capacitors, transformers sockets and other electronic components (except tubes, transistors and diodes).....	358	30	182	24
99999	All other materials, containers, supplies, etc., not listed above.....	24	2	(NA)	(NA)
INDUSTRY 3661--TELEPHONE; TELEGRAPH APPARATUS					
	Total materials, parts, containers, and supplies.....	655	(X)	480	(X)
	Not specified by kind (n.s.k.).....	10	(X)	-	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	645	100	480	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	4	1	3	1
331012	Sheet and strip.....	12	2	8	2
331019	All other carbon steel mill shapes and forms.....	2	(Z)	3	1
Alloy steel (except stainless):					
331021	Bars and bar shapes.....				
331029	All other alloy steel mill shapes and forms.....	8	1	1	(Z)
331031	Stainless steel.....			2	(Z)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3661--TELEPHONE; TELEGRAPH APPARATUS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
335728	Copper and copper-base alloy:					
335790	Bare wire (for electrical conduction).....	8	1	4	1	
335102	Insulated wire and cable.....	25	4	24	5	
335123	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	5	1			
335127	Plate, sheet, and strip (including military cups and discs).....	12	2			
	Pipe and tube.....	1	(Z)	11	2	
335202	Aluminum and aluminum-base alloy:					
335205	Sheet, plate, and foil.....	3	(Z)	2	(Z)	
335209	Extruded shapes (including extruded rod, bar, pipe, tube, etc.).....	1	(Z)	2	(Z)	
	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.).....	2	(Z)			
336100	Aluminum and aluminum-base alloy castings (rough and semifinished).....	3	(Z)	1	(Z)	
367010	Electron tubes, except X-ray.....	12	2	12	2	
367408	Solid state semiconductors.....	48	7	3	1	
282130	Thermoplastic resins (celluloseics, polyethylenes, styrenes, etc.).....	8	1	(NA)	(NA)	
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.).....	2	(Z)	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	490	76	404	84	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22010	Fabrics, yarn, and thread.....	1	(Z)	1	(Z)	
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	3	1	
26000	Paper and paperboard products, except paperboard boxes and containers.....	3	(Z)	(NA)	(NA)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	3	(Z)	4	1	
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	3	(Z)	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	1	(Z)	2	(Z)	
29110	Lubricating oils, greases and other refined petroleum products.....	1	(Z)	(NA)	(NA)	
30790	Fabricated plastic products.....	3	(Z)	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing wire) excluding materials previously reported in Item 17 of applicable report form.....	8	1	(NA)	(NA)	
33390	Precious metals, alloyed and unalloyed.....	11	2	5	1	
34200	Hand and edge tools, except machine tools.....	1	(Z)	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets and screw machine products.....	7	1	7	1	
36110	Electrical meters and indicating instruments.....	2	(Z)	(NA)	(NA)	
36240	Carbon brushes, electrodes and other carbon and graphite products.....	1	(Z)	(NA)	(NA)	
36430	Appliance outlets, switches, lampholders and other current carrying wiring devices.....	17	3	(NA)	(NA)	
36610	Jacks, keys, dials, and other parts and components especially designed for telephone and telegraph equipment.....	317	49	216	45	
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	32	5	(NA)	(NA)	
99999	All other materials, containers supplies, etc. not listed above.....	78	12	(NA)	(NA)	
INDUSTRY 3662--RADIO, TV COMMUNICATIONS EQUIPMENT						
Total materials, parts, containers and supplies.....						
	2,469	(X)		1,076	(X)	
Not specified by kind (n.s.k.).....						
	135	(X)		209	(X)	
Total materials, parts, containers and supplies, less n.s.k.....						
	2,334	100		867	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331012	Carbon steel:					
331019	Sheet and strip.....	3	(Z)	2	(Z)	
	All other carbon steel mill shapes and forms.....	10	(Z)	6	1	
331021	Alloy steel (except stainless):					
331029	Bars and bar shapes.....	1	(Z)	(Z)	(Z)	
	All other alloy steel mill shapes and forms.....	1	(Z)	1	(Z)	
331031	Stainless steel.....	3	(Z)	3	(Z)	
335728	Copper and copper-base alloy:					
335790	Bare wire (for electrical conduction only).....	3	(Z)	(Z)	(Z)	
335102	Insulated wire and cable.....	22	1	10	1	
335123	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	2	(Z)			
335127	Plate, sheet, and strip (including military cups and discs).....	1	(Z)	2	(Z)	
	Pipe and tube.....	1	(Z)			
335202	Aluminum and aluminum-base alloy:					
335205	Sheet, plate, and foil.....	9	(Z)	5	1	
335209	Extruded shapes (including rod, bar, pipe, tube, etc.).....	6	(Z)	4	(Z)	
	All other aluminum mill shapes and forms.....	3	(Z)			
335606	Nickel and nickel-base alloy.....	1	(Z)	(Z)	(Z)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958-Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3662--RADIO, TV COMMUNICATIONS EQUIPMENT--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
	Castings (rough and semifinished):					
332300	Steel.....	8	(Z)	2	(Z)	
336100	Aluminum and aluminum-base alloy.....	14	1	5	1	
336200	Copper and copper-base alloy.....	1	(Z)	2	(Z)	
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous.....	9	(Z)	r <sub>9</sub>	1	
362115	Other fractional horsepower electric motors (excluding timing).....	12	1	10	1	
367010	Electron tubes, except X-ray.....	67	3	56	7	
367408	Solid-state semiconductors.....	104	4	18	2	
281995	Silicon, hyperpure.....	2	(Z)	(NA)	(NA)	
260091	Paper and paperboard containers.....	6	(Z)	(NA)	(NA)	
339913	Ferrites (powder and paste).....	2	(Z)	(NA)	(NA)	
	Glass and glass products:					
322921	Tube blanks.....	(D)	(D)	(NA)	(NA)	
320311	Other than tube blanks.....	1	(Z)	(NA)	(NA)	
367951	Fabricated electron tube parts, except blanks.....	9	(Z)	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	2,033	87	r <sub>731</sub>	84	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	5	1	
25100	Radio, TV and phonograph cabinets (all materials).....	2	(Z)	10	1	
26000	Paper and paperboard products, except paperboard boxes and containers.....	4	(Z)	3	(Z)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	2	(Z)	4	(Z)	
27000	Charts, chart paper, labels, coupons, and other printed materials.....	1	(Z)	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	2	(Z)	(Z)	(Z)	
28200	Plastic and resin material, including moulding and extrusion and synthetic rubber.....	1	(Z)	3	(Z)	
30000	Fabricated rubber and plastic products, except gaskets.....	27	1	8	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	-				
33390	Precious metals, alloyed and unalloyed.....	4	(Z)	7	1	
33570	Insulated wire and cable.....	6	(Z)	(NA)	(NA)	
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups, 342, 347, 348, 349(except 3491)).....	25	1	21	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	34	1	10	1	
34610	Metal stampings.....	46	2	37	4	
34900	Fabricated metal pipe, valves and pipe fittings, except plumbers'.....	2	(Z)	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	20	1	9	1	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches and other power transmission equipment.....	2	(Z)	1	(Z)	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	2	(Z)	(NA)	(NA)	
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	4	(Z)	(NA)	(NA)	
35710	Parts and attachments specially designed for computing and accounting machines.....	20-50	-	(NA)	(NA)	
35990	Pistons, piston rings, carburetors, valves (intake and exhaust only).....	8	(Z)	(NA)	(NA)	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	48	2	8	1	
36110	Electrical meters and indicating instruments.....	36	2	(NA)	(NA)	
36210	Electric motor and power generators.....	11	(Z)	1	(Z)	
36400	Electric wire devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	67	3	25	3	
36510	Loudspeakers, microphones, tuners (all types) and radios.....	13	1	12	1	
36600	Radio and electronic communication equipment and navigation aids, including airborne transmitters and receivers, radar.....	58	2	8	1	
36610	Jacks, keys, dials, other parts and components especially designed for telephone and telegraph equipment.....	31	1	(NA)	(NA)	
36620	Radio and television transmitting, signaling and detection equipment and apparatus.....	150	6	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes, and other electronic type components.....	23	1	9	1	
36790	Resistors capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	848	36	394	45	
37290	Other parts specially designed for aircraft, including subassemblies, landing gears, and machine parts subcontracted to specifications.....	9	(Z)	(NA)	(NA)	
38010	Timing mechanisms, clock movements, thermostats, and other controlling instruments.....	2	(Z)	(NA)	(NA)	
38015	Aircraft flight and engine instruments, including altimeters, automatic pilots, and gyroscopes.....	2	(Z)	(NA)	(NA)	
38310	Optical instruments and lenses.....	1	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	536	23	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3674--SEMICONDUCTORS					
	Total materials, parts, containers, and supplies.....	183	(X)	(NA)	(X)
	Not specified by kind (n.s.k.).....	-	(X)	(NA)	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	183	100	(NA)	(NA)
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331001	Carbon steel.....	1	1	(NA)	(NA)
331020	Alloy steel (except stainless).....	3	1	(NA)	(NA)
331031	Stainless steel.....	3	1	(NA)	(NA)
Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only).....	1	1	(NA)	(NA)
335790	Insulated wire and cable.....	1	1	(NA)	(NA)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	1	(NA)	(NA)
335123	Plate, sheet and strip (including military cups and discs).....	1	1	(NA)	(NA)
335127	Pipe and tube.....	1	1	(NA)	(NA)
335606	Nickel and nickel-base alloy.....	2	1	(NA)	(NA)
335602	Tantalum mill products.....	1	1	(NA)	(NA)
335605	Germanium.....	7	4	(NA)	(NA)
335603	Molybdenum, rolled, drawn, or extruded.....	1	1	(NA)	(NA)
367408	Solid state semiconductors.....	2	1	(NA)	(NA)
281995	Silicon, hyperpure.....	12	6	(NA)	(NA)
260091	Paper and paperboard containers.....	1	1	(NA)	(NA)
322921	Glass tube blanks.....	6	3	(NA)	(NA)
320311	Glass products other than tube blanks.....	4	2	(NA)	(NA)
970099	All other materials and components parts, containers, and supplies consumed.....	141	77	(NA)	(NA)
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26000	Paper and paperboard products, except paperboard boxes and containers.....	1	1	(NA)	(NA)
28010	Industrial chemicals and chemical products including acid, gases, fluxes, foundry chemicals, plating chemicals alkalies, oxides, frit, etc.....	20	11	(NA)	(NA)
30000	Fabricated rubber and plastic products except gaskets.....	2	1	(NA)	(NA)
32010	Glass and glass products.....	1	1	(NA)	(NA)
33030	Nonferrous smelter and refinery shapes (pig, ingot, bullion slab, etc.) except copper shapes.....	13	7	(NA)	(NA)
34020	Steel springs (including wire and flat).....	4	2	(NA)	(NA)
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	1	(NA)	(NA)
34610	Metal stampings.....	11	6	(NA)	(NA)
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	4	2	(NA)	(NA)
36400	Electric wire devices, including lampholder, outlets, snapacting switches, metal contacts and wire connectors.....	2	1	(NA)	(NA)
36790	Resistors, capacitors, transformer sockets, and other electronic component (except tubes, transistors and diodes).....	25	14	(NA)	(NA)
99999	All other materials, containers, supplies, etc, not listed above.....	56	31	(NA)	(NA)
INDUSTRY 3679--ELECTRONIC COMPONENTS N.E.C.					
	Total materials, parts, containers, and supplies.....	755	(X)	497	(X)
	Not specified by kind (n.s.k.).....	136	(X)	75	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	619	100	422	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	1	(Z)	(Z)	1
331012	Sheet and strip.....	10	2	5	1
331017	Wire and wire products.....	3	(Z)	2	(Z)
331019	All other carbon steel mill shapes and forms.....	4	1	8	2
Alloy steel (except stainless):					
331021	Bars and bar shapes.....	1	(Z)	4	1
331029	All other alloy steel mill shapes and forms.....	11	2		
331031	Stainless steel.....	2	(Z)	1	-
Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only).....	11	2	9	2
335790	Insulated wire and cable.....	18	3	10	2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	8	1		
335123	Plate, sheet and strip (including military cups and discs).....	7	1	9	2
335127	Pipe and tube.....	3	1		
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	15	2	12	3
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	13	2	8	2
335209	All other aluminum mill shapes and forms.....	4	1		
335602	Tantalum mill products.....	8	1	2	1
335605	Germanium.....	1	(Z)	(NA)	(NA)
335603	Nickel and nickel-base alloy mill shapes and forms.....	4	1	2	1

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3679--ELECTRONIC COMPONENTS, N.E.C.--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
336100	Castings (rough and semifinished): Aluminum and aluminum-base alloy.....	4	1	1	(Z)	
332300	Steel.....	1	(Z)	1	(Z)	
336200	Copper and copper-base alloy.....	1	(Z)	(Z)	(Z)	
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	1	(Z)	6	1	
367010	Electron tubes, except X-ray.....	5	1	3	1	
367408	Solid state semiconductors.....	14	2	3	1	
260091	Paper and paperboard containers.....	7	1	(NA)	(NA)	
329905	Mica.....	3	1	3	1	
339913	Ferrites (powders and paste).....	9	1	4	1	
320311	Glass products, other than tube blanks.....	3	1	(NA)	(NA)	
367951	Fabricated electron tube parts except blanks.....	2	(Z)	(NA)	(NA)	
282130	Thermoplastic resins (cellulosics, polyethylenes, styrenes, etc.).....	3	1	(NA)	(NA)	
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.).....	7	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	435	70	326	77	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
260000	Paper and paperboard products, except paperboard boxes and containers.....	26	4	(NA)	(NA)	
265000	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	9	1	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	17	3	(NA)	(NA)	
282110	Plastic and resin materials, including moulding and extrusion.....	5	1	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	2	(Z)	(NA)	(NA)	
300000	Fabricated rubber and plastic products, except gaskets.....	41	7	(NA)	(NA)	
32010	Glass and glass products.....	2	(Z)	(NA)	(NA)	
32640	Porcelain, steatite, and other ceramic electrical products.....	10	2	(NA)	(NA)	
33030	Nonferrous smelter and refinery shapes (pig, ingot, bullion slab, etc.) except copper shapes.....	5	1	(NA)	(NA)	
33560	Rolling, drawing, and extruding of nonferrous metals excluding copper and aluminum.....	5	1	(NA)	(NA)	
33570	Insulated wire and cable.....	2	(Z)	(NA)	(NA)	
34020	Steel springs (including wire and flat).....	5	1	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	30	5	(NA)	(NA)	
34610	Metal stampings.....	42	7	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	12	2	(NA)	(NA)	
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	1	(Z)	(NA)	(NA)	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	15	2	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes, and other electric type components.....	2	(Z)	(NA)	(NA)	
36790	Resistors, capacitors, transformers, sockets and other electronic components (except tubes, transistors and diodes).....	109	18	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	99	16	(NA)	(NA)	
INDUSTRY 3691--STORAGE BATTERIES						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	264	(X)	202	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	31	(X)	7	(X)	
		233	100	195	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Lead:						
333233	Refined unalloyed lead.....	26	11	20	10	
333234	Antimonial lead.....	57	24	51	26	
281634	Litharage.....	21	9	25	13	
970099	All other materials and components, parts, containers, and supplies consumed.....	129	55	99	51	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
265000	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	5	2	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	4	2	(NA)	(NA)	
28160	Red lead (inorganic pigments).....	1	(Z)	(NA)	(NA)	
30005	Rubber and plastic battery jars, boxes, and parts.....	28	12	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	<sup>2</sup> 10-20	-	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	2	1	(NA)	(NA)	
36910	Parts and supplies specially designed for storage batteries (except rubber and plastic).....	32	14	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	57	24	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3694--ENGINE ELECTRICAL EQUIPMENT					
	Total materials, parts, containers, and supplies.....	356	(X)	220	(X)
	Not specified by kind (n.s.k.).....	7	(X)	9	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	349	100	211	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
	Carbon steel:				
331011	Bars and bar shapes.....	25	7	18	9
331012	Sheet and strip.....	17	5	14	7
331017	Wire and wire products.....	7	2	4	2
331013	Plates.....				
331019	All other carbon steel mill shapes and forms.....	4	1	4	2
331020	Alloy steel (except stainless).....	1	(Z)	1	1
	Copper and copper-base alloy:				
335728	Bare wire (for electrical conduction only).....	20	6	11	5
335790	Insulated wire and cable.....	16	5	21	10
335102	Rod, bar and mechanical wire, including extruded and/or drawn shapes.....	8	2		
335123	Plate, sheet, and strip, including military cups and discs.....	4	1	7	3
	Aluminum and aluminum-base alloy:				
335202	Sheet, plate, and foil.....	1	(Z)	1	(Z)
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	(Z)	(Z)	1	(Z)
335209	All other aluminum mill shapes and forms.....	(Z)	(Z)		
333401	Aluminum and aluminum-base alloy refinery shapes.....	(D)	(D)	1	(Z)
	Castings (rough and semifinished)				
332011	Iron (gray and malleable).....	5	1	3	1
336100	Aluminum and aluminum-base alloy.....	5	1	1	1
	Bearings:				
356218	Ball.....				
356228	Roller.....	9	3	6	3
970099	All other materials and components, parts, containers, and supplies consumed.....	226	65	117	55
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	8	2	7	3
28200	Plastic and resin material, including moulding and extrusion and synthetic rubber.....	7	2	4	2
30000	Fabricated rubber and plastic products, except gaskets.....	1	(Z)	4	2
32640	Porcelain, steatite, and other ceramic electrical products.....	9	3	9	4
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	11	3	6	3
34500	Bolts, nuts, screws, rivets, and screw machine products.....	8	2	17	8
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	12	3	11	5
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	12	3	9	4
36210	Electric motor and power generators.....	25-10	-	(NA)	(NA)
36240	Carbon brushes, electrodes, and other carbon and graphite products.....	4	1	4	2
36940	Electrical equipment for internal combustion.....	20-50	-	(NA)	(NA)
36947	Rotors, heads, breaker point set (arms, supports, screws), and condensers for ignition distributors.....	16	5	12	6
36948	Armatures, field coils, and others component parts designed for battery charging generators and cranking motors.....	9	3	6	3
37170	Axles, brakes, drums, rims, wheels, and other metal motor vehicle parts.....	25-10	-	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	129	37	(NA)	(NA)
INDUSTRY 3699--ELECTRICAL PRODUCTS, N.E.C.					
	Total materials, parts, containers and supplies.....	83	(X)	76	(X)
	Not specified by kind (n.s.k.).....	17	(X)	-	(X)
	Total materials, parts, containers and supplies, less n.s.k.....	66	100	76	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
	Mill shapes and forms (except castings):				
331001	Carbon steel.....	1	2	(NA)	(NA)
331020	Alloy steel (except stainless).....	1	2	(NA)	(NA)
	Copper and copper-base alloy:				
335728	Bare wire (for electrical conduction only).....	1	2	(NA)	(NA)
335790	Insulated wire and cable.....	13	20	(NA)	(NA)
335128	Brass (including rod, sheet, bar, etc.).....	3	4	(NA)	(NA)
367408	Solid state semiconductors.....	1	2	(NA)	(NA)
970099	All other materials and components, parts, containers and supplies consumed.....	45	68	76	100
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26500	Paperboard containers and boxes including folding, corrugated fiber and setup.....	2	3	2	3
28200	Plastic and resin material including moulding and extrusion and synthetic rubber.....	2	3	3	4
30000	Fabricated rubber and plastic products except gaskets.....	1	2	1	1
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	4	6	1	1

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3699--ELECTRICAL PRODUCTS, N.E.C.--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY--Continued						
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	6	9	12	16	
34610	Metal stampings.....	5	8	4	5	
36430	Appliances, outlets, switches, lampholders and other current carrying wiring devices.....	4	6	5	7	
36790	Resistors, capacitors, transformers, sockets and other electronic components (except tubes, transistors, diodes).....	6	9	15	20	
99999	All other materials, containers, supplies, not listed above.....	14	21	(NA)	(NA)	
INDUSTRY 3713--TRUCK AND BUS BODIES						
	Total materials, parts, containers and supplies.....	224	(X)	146	(X)	
	Not specified by kind (n.s.k.).....	50	(X)	25	(X)	
	Total materials, parts, containers and supplies, less n.s.k.....	174	100	121	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes.....	4	2	2	2	
331012	Sheet and strip.....	29	17	19	15	
331013	Plates.....	5	3	3	2	
331015	Structural shapes.....	3	2	2	2	
331019	All other carbon steel mill shapes and forms.....	4	2	1	1	
331020	Alloy steel (except stainless).....	1	1	1	1	
331031	Stainless steel.....	1	1	1	1	
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	6	4	3	2	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	3	2	1	1	
335209	All other aluminum mill shapes and forms.....	(Z)	(Z)			
	Castings (rough and semifinished)					
332011	Iron (gray and malleable).....	1	1	1	1	
332300	Steel.....	1	1	(Z)	(Z)	
229501	Coated, impregnated or laminated fabrics.....	(D)	(D)	1	1	
970099	All other materials and components, parts, containers, and supplies consumed.....	115	66	86	71	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	4	2	(NA)	(NA)	
25310	Seats for conveyances (purchased separately).....	1	1	(NA)	(NA)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals plating chemicals, alkalies, oxides, frit, etc.....	1	1	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	5	3	(NA)	(NA)	
30000	Fabricated rubber and plastic products, except gaskets.....	2	-	(NA)	(NA)	
30690	Fabricated rubber products except gaskets.....	4	2	(NA)	(NA)	
32010	Glass and glass products.....	9	5	(NA)	(NA)	
32900	Gaskets (all types), insulating materials, mica products and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	1	1	(NA)	(NA)	
34290	Metal hardware.....	7	4	(NA)	(NA)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	1	(NA)	(NA)	
34610	Metal stampings.....	12	7	(NA)	(NA)	
37170	Axes, brakes, drums, rims, wheels, and other metal motor vehicle parts.....	2	1	(NA)	(NA)	
37174	Purchased chassis for motor vehicles, except passenger cars.....	12	7	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	55	32	(NA)	(NA)	
INDUSTRY 3715--TRUCK TRAILERS						
	Total materials, parts, containers and supplies.....	299	(X)	193	(X)	
	Not specified by kind (n.s.k.).....	30	(X)	18	(X)	
	Total materials, parts, containers and supplies, less n.s.k.....	269	100	175	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes.....	3	1	2	1	
331012	Sheet and strip.....	17	6	9	5	
331013	Plates.....	6	2	4	2	
331015	Structural shapes.....	11	4	3	2	
331019	All other carbon steel mill shapes and forms.....			2	1	
331020	Alloy steel (except stainless).....	9	3	1	1	
331031	Stainless steel.....			1	1	
335003	Copper and copper-base alloy.....	1	1	(Z)	(Z)	
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	22	8	14	8	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	20	8	9	5	
335209	All other aluminum mill shapes and forms.....					

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3715--TRUCK TRAILERS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
332011	Castings (rough and semifinished):					
332300	Iron (gray and malleable).....	1	(Z)	(Z)	(Z)	
	Steel.....	7	3	3	2	
356218	Bearings:					
	Ball.....					
356228	Roller.....	1	(Z)	1	1	
970099	All other materials and components, parts, containers, and supplies consumed.....	170	63	125	71	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
24010	Lumber, plywood and wood products, except complete containers.....	14	5	8	5	
28510	Paints, varnishes, lacquers and enamels.....	3	1	2	1	
30000	Fabricated rubber and plastic products except gaskets.....	44	16	29	17	
32900	Gaskets (all types) insulating material, mica products and abrasives and abrasive products including grinding and polishing wheels, cloth buffs, except industrial diamonds.....					
	Bolts, nuts, screws, and rivets.....	1	(Z)	(Z)	(Z)	
34500		5	2	1	1	
34610	Metal stampings.....	7	3	8	5	
34930	Steel springs, including helical leaf and torsion bar.....	4	1	3	2	
35850	Compressor and compressor units, condensers, fins and coils and other heat transfer equipment.....	5	2	3	2	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	1	(Z)	1	1	
37170	Axles, brakes, drum, rims, wheels and other metal motor vehicle parts.....	55	20	44	25	
99999	All other materials, containers and supplies, not listed above.....	30	11	(NA)	(NA)	
INDUSTRY 3717--MOTOR VEHICLES AND PARTS						
Total materials, parts, containers and supplies.....						
	23,518	(X)	14,189	(X)	(X)	
Not specified by kind (n.s.k.).....						
	728	(X)	-	(X)	100	
Total materials, parts, containers and supplies, less n.s.k.....						
	22,790	100	14,189			
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	165	1	127	1	
331012	Sheet and strip.....	1,636	7	935	7	
331013	Plates.....	48	(Z)	33	(Z)	
331015	Structural shapes.....	4	(Z)	10	1	
331017	Wire and wire products.....	35	(Z)	22	(Z)	
331019	All other carbon steel mill shapes and forms.....	58	(Z)	32	(Z)	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	112	1	70	(Z)	
331029	All other alloy mill shapes and forms.....	38	(Z)	35	(Z)	
331031	Stainless steel.....	32	(Z)	27	(Z)	
Copper and copper-base alloy:						
335728	Bare wire for electrical conduction.....	1	(Z)	1	(Z)	
335790	Insulated wire and cable.....	16	(Z)	5	(Z)	
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes.....	18	(Z)			
335123	Plate, sheet, and strip.....	74	(Z)	78	1	
335127	Pipe and tube.....	8	(Z)			
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	33	(Z)	11	(Z)	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	11	(Z)	11	(Z)	
335209	All other aluminum mill shapes and forms.....	5	(Z)			
Primary metals:						
331051	Pig iron (excluding silvery iron).....	14	(Z)	15	(Z)	
333401	Aluminum and aluminum-base alloy.....	13	(Z)	2	(Z)	
999811	Iron and steel scrap (purchased only).....	13	(Z)	10	(Z)	
Castings (rough and semifinished)						
332011	Iron (gray and malleable).....	752	3	467	3	
332300	Steel.....	28	(Z)	23	(Z)	
336100	Aluminum and aluminum-base alloy.....	225	1	72	1	
336200	Copper and copper-base alloy.....	6	(Z)	2	(Z)	
Forgings:						
339100	Iron and steel.....	391	2	222	1	
339200	Aluminum and aluminum-base alloy.....	1	(Z)	(NA)	(NA)	
362115	Fractional horsepower electric motors (under 1 hp.) (except timing motors).....	21	(Z)	22	(Z)	
Bearings:						
356218	Ball.....	48	(Z)	90	1	
356228	Roller.....	109	(Z)			

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3717--MOTOR VEHICLES AND PARTS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
229501	Coated, impregnated or laminated fabrics.....	18	(Z)	18	(Z)	
221103	Uncoated broadwoven fabrics:					
220119	Cotton.....	1	(Z)	3	(Z)	
	Other broadwoven fabrics.....	11	(Z)	9	(Z)	
282130	Thermoplastic resins.....	10	(Z)	(NA)	(NA)	
282140	Thermosetting resins.....	10	(Z)	(NA)	(NA)	
970099	All other materials and components, parts, containers and supplies consumed.....	18,825	83	11,835	83	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22900	Burlap, jute and linen cordage, twine and other goods, except bags, including paddings, batting and processed mill waste.....	25-10	-	(NA)	(NA)	
26000	Paper and paperboard products, except paperboard boxes and containers.....	8	(Z)	25	(Z)	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	8	(Z)	6	(Z)	
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	41	(Z)	37	(Z)	
28510	Paints, varnishes, lacquers, and enamels.....	152	1	89	1	
29110	Lubricating oils, greases, and other refined petroleum products.....	15	(Z)	9	(Z)	
30000	Fabricated rubber and plastic products, except gaskets.....	264	1	183	1	
30110	Tires and inner tubes.....	411	2	319	2	
32010	Glass and glass products.....	400	2	251	2	
32900	Gaskets (all types), insulating materials, mica products, and abrasives and abrasive products, including grinding and polishing wheels, cloth buffs, except industrial diamonds.....	63	(Z)	(NA)	(NA)	
32930	Gaskets, all types and asbestos packing.....	2	(Z)	(NA)	(NA)	
33030	Nonferrous smelter and refinery shapes (pig, ingot, bullion, slab, etc.) except copper shapes.....	14	(Z)	28	(Z)	
33560	Rolling, drawing, and extruding of nonferrous metals, excluding copper and aluminum.....	8	(Z)	(NA)	(NA)	
33600	Nonferrous metal castings, including copper and aluminum, rough and semifinished.....	11	(Z)	(NA)	(NA)	
33690	Zinc and zinc-base alloy castings rough and semifinished.....	8	(Z)	(NA)	(NA)	
34020	Steel springs (including wire and flat).....	2	(Z)	(NA)	(NA)	
34200	Hand and edge tools, except machine tools.....	1	(Z)	1	(Z)	
34290	Metal hardware.....	707	3	339	2	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	263	1	161	1	
34610	Metal stampings.....	(3)	(3)	(3)	(3)	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	159	1	51	(Z)	
34930	Steel springs, including heliccia, leaf and torsion bar.....	102	(Z)	20	(Z)	
35190	Parts and accessories designed for internal combustion engines except automobile and aircraft engines.....	116	1	64	(Z)	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	357	2	189	1	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	1	(Z)	(NA)	(NA)	
35990	Pistons, piston rings, carburetors, valves (intakes and exhaust only).....	76	(Z)	68	(Z)	
36230	Components and accessories specially designed for welding apparatus.....	2	(Z)	1	(Z)	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	133	1	(NA)	(NA)	
36510	Loudspeakers, microphones, tuners (all types) and radios.....	117	1	92	1	
36900	Engine electrical equipment, including spark plugs, magnetos, generators and starters.....	377	2	351	2	
37173	Gasoline engines and transmission parts, other than those reported elsewhere.....	361	2	218	2	
37179	Motor vehicle parts and accessories (except cloth and leather and those reported elsewhere).....	312,766	50	36,411	42	
38213	Motor vehicle instruments, except electric (including speedometers, fuel level, oil pressure, etc.).....	100	(Z)	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	1,775	8	(NA)	(NA)	
INDUSTRY 3721--AIRCRAFT						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	2,459	(X)	2,547	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	44	(X)	5	(X)	
		2,415	100	2,542	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	2	(Z)	3	(Z)	
331012	Sheet and strip.....	4	(Z)	2	(Z)	
331013	Plates.....	1	(Z)	2	(Z)	
331015	Structural shapes.....	1	(Z)	1	(Z)	
331017	Wire and wire products.....	1	(Z)	1	(Z)	
331019	All other carbon steel mill shapes and forms.....	2	(Z)	2	(Z)	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	4	(Z)	4	(Z)	
331029	All other alloy steel mill shapes and forms.....	3	(Z)	3	(Z)	
331031	Stainless steel.....	5	(Z)	10	(Z)	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction only).....	1	(Z)	(Z)	(Z)	
335790	Insulated wire and cable.....	4	(Z)	7	(Z)	
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....					
335123	Plate, sheet, and strip (including military cups and discs).....	1	(Z)	1	(Z)	
335127	Pipe and tube.....					

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3721--AIRCRAFT--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
335202	Aluminum and aluminum-base alloy:					
	Sheet, plate, and foil.....	38	2	58	2	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	21	1	35	1	
335209	All other aluminum mill shapes and forms.....	5	(Z)			
335601	Titanium and titanium-base alloy.....	15	1	(NA)	(NA)	
Castings (rough and semifinished):						
332300	Steel.....	6	(Z)	2	(Z)	
336100	Aluminum and aluminum-base alloy.....	9	(Z)	10	(Z)	
Forgings:						
339100	Iron and steel.....	6	(Z)	7	(Z)	
339200	Aluminum and aluminum-base alloy.....	15	1	25	1	
339201	Titanium and titanium-base alloy.....	1	(Z)	(NA)	(NA)	
Fractional horsepower electric motors (under 1 hp.):						
362110	Timing motors synchronous and subsynchronous.....					
362115	Other fractional horsepower electric motors, excluding timing.....	1	(Z)	1	(Z)	
362120	Integral horsepower motors and generators (1 hp. and over).....			(NA)	(NA)	
Bearings:						
356218	Ball.....	3	(Z)	12	1	
356228	Roller.....	2	(Z)			
372911	Hydraulic fluid power pumps, motors, and related hydraulic equipment.....	26	1	28	1	
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.).....	4	(Z)	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	2,234	93	2,328	92	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
19000	Ordnance.....	19	1	(NA)	(NA)	
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	2	(Z)	
25310	Seats for conveyances (purchased separately).....	48	2	17	1	
28510	Paints, varnishes, lacquers and enamels.....	10	(Z)	9	(Z)	
29000	Lubricating oils, greases, and other petroleum products, including asphalt.....	7	(Z)	13	1	
30000	Fabricated rubber and plastic products, except gaskets.....	31	1	34	1	
34290	Metal hardware.....	24	1	32	1	
34500	Bolts, nuts, screws, rivets and screw machine products.....	36	1	57	2	
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	14	1	38	2	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	55	2	22	1	
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	14	1	(NA)	(NA)	
36110	Electrical meters and indicating instruments.....	2 <sup>10-20</sup>	-	(NA)	(NA)	
36200	Industrial capacitors, rheostats, resistors and electrical coil windings.....	1	(Z)	(NA)	(NA)	
36600	Radio and electronic communication equipment and navigation aids, including airborne transmitters and receivers, radar.....	379	16	323	14	
36620	Radio and TV communication equipment.....	2 <sup>50-100</sup>	-	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes and other electronic type components.....	43	2	(NA)	(NA)	
36900	Engine electrical equipment, including spark plugs, magnetos, generators, and starters.....	14	1	(NA)	(NA)	
37200	Parts specially designed for aircraft and missile engines, except pistons, piston rings, carburetors and valves.....	2 <sup>5-10</sup>	-	(NA)	(NA)	
37220	Aircraft engines, engine parts and accessories.....	205	8	238	10	
37230	Aircraft propellers, blades and parts.....	20	1	15	1	
37290	Other parts specially designed for aircraft, including subassemblies, landing gears and machine parts subcontracted to specifications.....	783	32	980	42	
38015	Aircraft flight and engine instruments including altimeters, automatic pilots and gyroscopes.....	101	4	136	1	
38110	Engineering and scientific instruments.....	2 <sup>10-20</sup>	-	(NA)	(NA)	
38610	Shutters, range finders, meters and other photographic components and raw film.....	2 <sup>20-50</sup>	-	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	429	18	(NA)	(NA)	
INDUSTRY 3722--AIRCRAFT ENGINES AND PARTS						
Total materials, parts, containers, and supplies.....						
	1,386	(X)	1,442	(X)		
Not specified by kind (n.s.k.).....						
	61	(X)	3	(X)		
Total materials, parts, containers, and supplies, less n.s.k.....						
	1,325	100	1,439	100		
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331011	Bars and bar shapes.....	2	(Z)	12	(Z)	
331012	Sheet and strip.....	3	(Z)	5	(Z)	
331013	Plates.....	1	(Z)	1	(Z)	
331019	All other carbon steel mill shapes and forms.....	1	(Z)	5	(Z)	
Alloy steel (except stainless):						
331021	Bars and bar shapes.....	13	1	9	1	
331029	All other alloy steel mill shapes and forms.....	8	1	11	1	
331031	Stainless steel.....	41	3	51	4	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3722--AIRCRAFT ENGINES AND PARTS--Continued						
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES--Continued						
Mill shapes and forms (except castings)--Continued						
Copper and copper-base alloy:						
335790	Insulated wire and cable.....	1	(Z)	(Z)	(Z)	
335728	Bare wire (for electrical conduction only).....					
335102	Rod, bar, and mechanical wire, including extruded and /or drawn shapes.....	1	(Z)	1	(Z)	
335109	All other copper.....					
335123	Plate, sheet and strip.....					
335127	Pipe and tube.....					
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	3	(Z)	3	(Z)	
335205	Extruded shapes, including rod, bar, pipe, tube, etc.....	2	(Z)	3	(Z)	
335209	All other aluminum mill shapes, and forms.....	3	(Z)			
335601	Titanium and titanium-base alloy.....	5	(Z)	(NA)	(NA)	
Castings (rough and semifinished):						
332300	Steel.....	25	2	40	3	
336100	Aluminum and aluminum-base alloy.....	27	2	10	1	
Forgings:						
339100	Iron and steel.....	65	5	126	9	
339200	Aluminum and aluminum-base alloy.....	21	2	13	1	
339201	Titanium and titanium-base alloy.....	23	2	(NA)	(NA)	
Fractional horsepower electric motors (under 1 hp.):						
362110	Timing motors, synchronous and subsynchronous.....	(D)	(D)			
362115	Other fractional horsepower electric motors, excluding timing motors.....	3	(Z)	1	(Z)	
Bearings:						
356218	Ball.....	9	1			
356228	Roller.....	9	1	16	1	
372911	Hydraulic fluid power pumps, motors, and related hydraulic equipment.....	2	(Z)	(NA)	(NA)	
970099	All other materials, components, parts, containers, and supplies consumed.....	1,057	80	1,131	79	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	2	(Z)	13	1	
28130	Industrial gases, compressed and liquefied, including argon, carbon dioxide, nitrogen, nitrous oxide (except halogenated hydrocarbons).....	1	(Z)	(NA)	(NA)	
28200	Plastic and resin material, including moulding and extrusion and synthetic rubber.....	15	1	(NA)	(NA)	
29000	Lubricating oils and greases and other petroleum products including asphalt.....	18	1	(NA)	(NA)	
30000	Fabricated rubber and plastic products, except gaskets.....	4	(Z)	(NA)	(NA)	
30790	Fabricated plastic products.....	2	(Z)	(NA)	(NA)	
32910	Grinding wheels and other abrasive products, except industrial diamonds.....	2	(Z)	2	(Z)	
32930	Gaskets all types and asbestos packing.....	8	1	10	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	5	(Z)	5	(Z)	
33200	Iron and steel castings (gray and malleable) rough and semifinished received from foundries.....	5	(Z)	5	(Z)	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	36	3	32	2	
34610	Metal stampings.....	17	1	13	1	
34940	Valves and pipe fittings.....	5	(Z)	(NA)	(NA)	
34990	Magnets.....	1	(Z)	(NA)	(NA)	
35400	Dies, jigs, fixtures, punches, and cutting tools, for machine tools.....	70	5	98	7	
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches and other power transmission equipment.....	1	(Z)	7	(Z)	
35990	Pistons and piston rings carburetors, valves (intake and exhaust only).....	19	1	25	2	
36430	Appliance outlets, switches, lampholders, and other current carrying wiring devices.....	1	(Z)	(NA)	(NA)	
36600	Radio and electronic communications equipment and navigation aids, including airborne transmitters and radar receivers.....	1	(Z)	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes, and other electronic components.....	12	1	2	(Z)	
36900	Engine electrical equipment, including spark plugs, magneto, generators, and starters.....	22	2	26	2	
37200	Parts specially designed for aircraft and missile engines, except pistons, piston rings, carburetors, and valves.....	581	44	666	46	
37290	Other parts specially designed for aircraft, including subassemblies, landing gears, and machine parts subcontracted to specifications.....	35	3	(NA)	(NA)	
38015	Aircraft flight and engine instruments including altimeters, autopilots, and gyroscopes.....	1	(Z)	(NA)	(NA)	
38610	Shutters, range finders, meters, and other photographic equipment components and raw film.....	2	(Z)	(NA)	(NA)	
99999	All other materials, containers and supplies, etc., not listed above.....	118	9	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
	INDUSTRY 3729--AIRCRAFT EQUIPMENT, N.E.C.				
	Total materials, parts, containers, and supplies.....	997	(X)	930	(X)
	Not specified by kind (n.s.k.).....	49	(X)	14	(X)
	Total materials, parts, containers, and supplies, less n.a.k.....	948	100	916	100
	AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:				
	Mill shapes and forms (except casting):				
	Carbon steel:				
331011	Bars and bar shapes.....	3	(Z)	5	1
331012	Sheet and strip.....	4	(Z)	4	(Z)
331013	Plates.....	3	(Z)	1	(Z)
331015	Structural shapes.....	1	(Z)	4	(Z)
331019	All other carbon steel mill shapes and forms.....	2	(Z)	3	(Z)
	Alloy steel (except stainless):				
331021	Bars and bar shapes.....	6	1	8	1
331029	All other alloy steel mill shapes and forms.....	3	(Z)	13	1
331031	Stainless steel.....	16	2	12	1
	Copper and copper-base alloy:				
335790	Insulated wire and cable.....	2	(Z)	1	(Z)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....				
335123	Plate, sheet, and strip, including military cups and discs.....	2	(Z)	2	(Z)
335127	Pipe and tube.....				
	Aluminum and aluminum-base alloy:				
335202	Sheet, plate, and foil.....	26	3	29	3
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	30	3	23	3
335209	All other aluminum mill shapes and forms.....	9	1		
	Titanium and titanium-base alloy mill shapes and forgings.....	6	1	(NA)	(NA)
	Castings (rough and semifinished):				
332300	Steel.....	9	1	20	2
336100	Aluminum and aluminum-base alloy.....	15	2	14	2
336200	Copper and copper-base alloy.....	1	(Z)	1	(Z)
	Forgings:				
339100	Iron and steel.....	23	3	18	2
339200	Aluminum and aluminum-base alloy.....	12	1	11	1
	Electric motors and generators:				
	Fractional horsepower electric motors (under 1 hp.):				
362110	Timing motors, synchronous and subsynchronous.....	1	(Z)	3	(Z)
362115	Other fractional horsepower electric motors (excluding timing).....	2	(Z)	3	(Z)
362120	Integral horsepower motors and generators (1 hp. and over).....	6	1	(NA)	(NA)
	Bearings:				
356218	Ball.....	8	1		
356228	Roller.....	2	(Z)	6	1
372911	Hydraulic fluid power pumps, motors, and related hydraulic equipment.....	22	2	13	1
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.).....	2	(Z)	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	732	77	721	79
	ESTIMATES BASED ON SUPPLEMENTARY SURVEY:				
24010	Lumber, plywood and wood products, except complete containers.....	1	(Z)	21	2
26500	Paperboard containers and boxes, including folding corrugated, fiber, and setup.....	4	(Z)	6	1
28200	Plastic and resin materials, including moulding and extrusion.....	10	1		(Z)
28510	Paints, varnishes, lacquers, and enamels.....	2	(Z)	(NA)	(NA)
30000	Fabricated rubber and plastic products, except gaskets.....	11	1	20	2
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	13	1	14	2
34500	Bolts, nuts, screws, rivets, and screw machine products.....	36	4	73	8
34610	Metal stampings.....	15	2	26	3
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	31	3	14	2
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	35	4	43	5
35610	Hydraulic and pneumatic equipment, pumps and compressors.....	9	1	13	1
36600	Radio and electronic communication equipment and navigation aids, including airborne transmitters and receivers, radars.....	10	1	(NA)	(NA)
36700	Condensers, resistors, transformers, stylus, loudspeakers, tubes, and other electronic type components.....	61	6	20	2
37290	Other parts specially designed for aircraft, including subassemblies, landing gears, and machine parts subcontracted to specifications.....	395	42	255	28
38015	Aircraft flight and engine instruments, including altimeters, automatic pilots, and gyroscope.....	9	1	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	90	9	(NA)	(NA)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3732--BOAT BUILDING AND REPAIRING					
	Total materials, parts, containers, and supplies.....	168	(X)	162	(X)
	Not specified by kind (n.s.k.).....	57	(X)	55	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	111	100	107	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331001	Carbon steel.....	1	1	2	2
331020	Alloy steel (except stainless).....	1	1	(Z)	(Z)
331031	Stainless steel.....	1	1	1	1
335003	Copper and copper-base alloy mill shapes and forms.....	1	1	1	1
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	7	6	7	7
335205	Extruded shapes, rod, bar, pipe, etc.....	2	2	1	1
335209	All other aluminum shapes and forms.....	2	2	1	1
Castings (rough and semifinished):					
336100	Aluminum and aluminum-base alloy.....	1	1	(NA)	(NA)
336200	Copper and copper-base alloy.....	1	1	1	1
Engines:					
351920	Diesel and semidiesel.....	3	3	3	3
351901	Gasoline and other carburetor.....	15	13	8	7
242120	Dressed lumber.....	4	4	(NA)	(NA)
243201	Plywood.....	7	6	(NA)	(NA)
282130	Thermoplastic resins.....	1	1	(NA)	(NA)
282140	Thermosetting resins.....	7	6	(NA)	(NA)
322931	Glass fiber.....	8	7	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	52	47	83	78
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
22900	Burlap, jute, and linen cordage, twine and other goods except bags, including paddings, battings, and processed mill wastes.....	8	7	(NA)	(NA)
23940	Canvas products, including sails and tarpaulin covers.....	1	1	(NA)	(NA)
24010	Lumber, plywood and wood products, except complete containers.....	7	6	(NA)	(NA)
28510	Paints, varnishes, lacquers, and enamels.....	2	2	(NA)	(NA)
30000	Fabricated rubber and rubber products, except gaskets.....	4	4	(NA)	(NA)
32010	Glass and glass products.....	1	1	(NA)	(NA)
34290	Metal hardware.....	4	4	(NA)	(NA)
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	2	(NA)	(NA)
35990	Pistons, piston rings, carburetors, valves (intake and exhaust only).....	2	2	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	18	16	(NA)	(NA)
INDUSTRY 3741--LOCOMOTIVES AND PARTS					
	Total materials, parts, containers, and supplies.....	233	(X)	205	(X)
	Not specified by kind (n.s.k.).....	1	(X)	19	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	232	100	186	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
Carbon steel:					
331011	Bars and bar shapes.....	2	1	2	1
331012	Sheet and strip.....	5	2	3	2
331013	Plates.....	9	4	6	3
331015	Structural shapes.....	2	1	2	1
331017	Wire and wire products.....	2	1	2	1
331019	All other carbon steel mill shapes and forms.....	2	1	2	1
331020	Alloy steel (except stainless).....	1	(Z)	1	(Z)
331031	Stainless steel.....	213	92	103	55
970099	All other materials and components, parts, containers, and supplies consumed.....	213	92	103	55
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
35190	Parts and accessories designed for internal combustion engines, except automobile and aircraft engines.....	29	12	44	24
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	2	1	6	3
35600	Pumps, air and gas compressors, blowers and fans, gears, clutches, and other power transmission equipment.....	7	3	9	5
36130	Switches (except snap, toggle and push), and circuit breakers.....	36	16	(NA)	(NA)
36910	Parts and supplies, specially designed for storage batteries (except rubber and plastic).....	1	(Z)	4	2
37410	Parts, specially designed for locomotives, including tenders, air brakes, stokers, lubrication systems.....	75	32	22	12
99999	All other materials, containers, supplies, etc., not listed above.....	63	27	(NA)	(NA)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3742--RAILROAD AND STREET CARS					
	Total materials, parts, containers, and supplies.....	576	(X)	301	(X)
	Not specified by kind (n.s.k.).....	8	(X)	2	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	568	100	299	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331011	Carbon steel:				
	Bars and bar shapes.....	24	4	7	2
331012	Sheet and strip.....	32	6	11	3
331013	Plates.....	84	15	39	13
331015	Structural shapes.....	34	6	16	5
331017	Wire and wire products.....	1	(Z)	(Z)	(Z)
331019	All other carbon steel mill shapes and forms.....	13	2	10	4
331020	Alloy steel (except stainless).....	4	1	1	(Z)
331031	Stainless steel.....	2	(Z)	1	(Z)
335202	Aluminum and aluminum-base alloy:				
	Sheet, plate, and foil.....	6	1	2	1
325205	Extruded shapes.....	3	1	(Z)	(Z)
335209	All other aluminum mill shapes and forms.....				
999811	Iron and steel scrap.....	1	(Z)	1	(Z)
Castings (rough and semifinished):					
332011	Iron (gray and malleable).....	30	5	10	4
332300	Steel.....	40	7	27	9
339100	Iron and steel forgings.....	8	1	15	5
Bearings:					
356218	Ball.....				
356228	Roller.....	15	3	3	1
970099	All other materials and components, parts, containers, and supplies consumed.....	271	48	155	52
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood and wood products, except complete containers.....	15	3	7	2
28510	Paints, varnishes, lacquers, and enamels.....	6	1	3	1
34500	Bolts, nuts, screws, rivets, and screw machine products.....	7	1	4	1
34930	Steel springs, including helica leaf and torsion bar.....	7	1	3	1
35400	Dies, jugs, fixtures, punches and cutting tools for machine tools.....	6	1	3	1
35420	Railroad and street car parts (except electrical control mechanisms) not reported elsewhere.....	146	26	76	16
37424	Brakes, railway and street car (air and vacuum).....	27	5	14	5
99999	All other materials, containers, supplies, etc., not listed above.....	57	10	(NA)	(NA)
INDUSTRY 3791--TRAILER COACHES					
	Total materials, parts, containers, and supplies.....	472	(X)	318	(X)
	Not specified by kind (n.s.k.).....	101	(X)	64	(X)
	Total materials, parts, containers and supplies, less n.s.k.....	371	100	254	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331011	Carbon steel:				
	Bars and bar shapes.....	2	1	1	(Z)
331012	Sheet and strip.....	3	1	8	3
331015	Structural shapes.....	9	2	2	1
331019	All other carbon steel mill shapes and forms.....	1	(Z)	1	(Z)
331020	Alloy steel (except stainless).....	6	2	2	1
Copper and copper-base alloy:					
335790	Insulated wire and cable.....	3	1	1	1
335728	Bare wire (electrical conduction).....				
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....				
335123	Plate, sheet, and strip (including military cups and discs).....	1	(Z)	(Z)	(Z)
335127	Pipe and tube.....				
Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil.....	25	7	8	3
335205	Extruded shapes.....	3	1	(Z)	(Z)
335209	All other aluminum mill shapes and forms.....	2	1		
Castings (rough and semifinished):					
332300	Steel.....				
336100	Aluminum and aluminum-base alloy.....	1	(Z)	1	1
243201	Plywood.....	50	13	(NA)	(NA)
242120	Dressed lumber.....	26	7	(NA)	(NA)
229501	Coated, impregnated, and laminated fabrics.....	9	2	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	229	62	230	90

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3791--TRAILER COACHES--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22010	Fabrics, yarn, and threads.....	1	(Z)	1	(Z)	
24010	Lumber, plywood and wood products, except complete containers.....	26	7	61	24	
25100	Radio, TV and phonograph cabinets (all materials).....	24	6	20	8	
26000	Paper and paperboard products, except paperboard boxes and containers.....	6	2	4	2	
28510	Paints, varnishes, lacquers, and enamels.....	4	1	4	2	
30000	Fabricated rubber and plastic products, except gaskets.....	11	3	10	4	
32960	Mineral wool insulation, including glass fibers.....	5	1	5	2	
34290	Metal hardware.....	3	1	4	2	
34300	Metal plumbing fixtures, fittings, and trim, including enameled.....	12	3	14	6	
34330	Heating burners (oil and gas).....	21	6	10	4	
34420	Metal doors, sash, frame, and trim, including screened units.....	14	4	13	5	
34440	Sheet metal products, except stampings.....	6	2	16	6	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	1	3	1	
35850	Compressors, compressor units, condensers, fins, coils and other heat transfer equipment.....	1	(Z)	1	(Z)	
36300	Household appliances, including refrigerators and electrical heating and cooking equipment (except air-conditioners).....	26	7	18	7	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	8	2	6	2	
37175	Trailer axles, wheels, brakes, under carriages and other metal vehicular parts.....	26	7	24	9	
39820	Linoleum and other hard-surfaced floor coverings.....	6	2	5	2	
99999	All other materials, containers, supplies, etc., not listed above.....	27	7	-	-	
INDUSTRY 3811--SCIENTIFIC INSTRUMENTS						
Total materials, parts, containers, and supplies.....						
	Not specified by kind (n.s.k.).....	166	(X)	295	(X)	
	Total materials, parts, containers, and supplies, less n.s.k.....	32	(X)	22	(X)	
		134	100	273	100	
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
Carbon steel:						
331012	Sheet and strip.....	2	2	3	1	
331011	Bars and bar shapes.....	-	-	1	(Z)	
331015	Plates.....	1	1	1	(Z)	
331019	All other carbon steel mill shapes and forms.....	-	-	1	(Z)	
331020	Alloy steel (except stainless).....	1	1	1	(Z)	
331031	Stainless steel.....	2	2	3	1	
Copper and copper-base alloy:						
335728	Bare wire (for electrical conduction only).....	-	-	1		
335790	Insulated wire and cable.....	-	-	4		
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	1	1	-		
335123	Plate, sheet, and strip, including military cups and discs.....	-	-	1		
335127	Pipe and tube.....	-	-	-		
Aluminum and aluminum-base alloy:						
335202	Sheet, plate, and foil.....	1	1	1	(Z)	
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	1	1	(Z)	
335209	All other aluminum mill shapes and forms.....	-	-	-		
Castings (rough and semifinished):						
336100	Aluminum and aluminum-base alloy.....	3	2	5	2	
Fractional horsepower electric motors (under 1 horsepower):						
362110	Timing motors, synchronous and subsynchronous.....	3	2	10	4	
362115	Other fractional horsepower electric motors (excluding timing).....	3	2	2	1	
Bearings:						
356218	Ball.....	-	-	-		
356228	Roller.....	2	2	6	2	
367408	Solid state semiconductors.....	4	3	11	4	
970099	All other materials and components, parts, containers, and supplies consumed.....	110	82	215	79	
ESTIMATED BASED ON SUPPLEMENTARY SURVEY:						
34500	Bolts, nuts, screws, rivets, and screw machine products.....	4	3	6	2	
34610	Metal stampings.....	3	2	4	1	
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	5	4	15	5	
36010	Industrial electrical control and distribution equipment including coils, circuit breakers, switches, relays, transformers.....	5	4	15		
36110	Electrical meters and indicating instruments.....	5	4	6	2	
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts and wire connectors.....	12	9	20	7	
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors, and diodes).....	8	6	6	2	
38710	Clocks, timers, and timing mechanisms, including electric.....	19	14	62	23	
99999	All other materials, containers, and supplies, not listed above.....	4	3	3	1	
		50	37	(NA)	(NA)	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3821--MECHANICAL MEASURING DEVICES					
	Total materials, parts, containers, and supplies.....	358	(X)	224	(X)
	Not specified by kind (n.s.k.).....	48	(X)	16	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	310	100	208	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331011	Carbon steel:				
	Bars and bar shapes.....	3	1	3	2
331012	Sheet and strip.....	5	2	3	2
331013	Plates.....	1	(Z)	1	(Z)
331017	Wire and wire products.....	1	(Z)	1	(Z)
331019	All other carbon steel mill shapes and forms.....	2	1	1	(Z)
331020	Alloy steel (except stainless).....	2	1	2	1
331031	Stainless steel.....	5	2	4	2
335728	Copper and copper-base alloy:				
	Bare wire (for electrical conduction only).....	2	1	1	(Z)
335798	Insulated wire and cable.....			1	(Z)
335102	Rod, bar, and mechanical wire, including extruded or drawn shapes.....	5	2		
335123	Plate, sheet, and strip.....	4	1	7	3
335127	Pipe and tube.....	2	1		
335202	Aluminum and aluminum-base alloy:				
	Sheet, plate, and foil.....	1	(Z)	1	(Z)
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	(Z)	1	(Z)
335209	All other aluminum mill shapes and forms.....	2	1		
332300	Castings (rough and semifinished):				
	Steel.....	6	2	5	2
336100	Aluminum and aluminum-base alloy.....	12	3	8	4
336200	Copper and copper-base alloy.....	12	3	9	4
362110	Fractional horsepower electric motors (under 1 hp.):				
362115	Timing motors, synchronous and subsynchronous.....	3	1	1	(Z)
	Other fractional horsepower electric motors (excluding timing).....	1	(Z)	1	(Z)
356218	Bearings:				
356228	Ball.....			1	(Z)
	Roller.....				
367010	Electron tubes, except X-ray.....	2	1	1	(Z)
367408	Solid state semiconductors.....	5	2	1	(Z)
970099	All other materials and components, parts, containers, and supplies consumed.....	232	75	155	75
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26000	Paper and paperboard products, except paperboard boxes and containers.....	3	1	(NA)	(NA)
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	4	1	3	1
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	1	(Z)	(NA)	(NA)
28210	Plastic and resin materials including moulding and extrusion.....	1	(Z)	(NA)	(NA)
28510	Paints, varnishes, lacquers, and enamels.....	1	(Z)	1	(Z)
30000	Fabricated rubber and plastic products, except gaskets.....	21	7	10	5
32010	Glass and glass products.....	4	1	2	1
33030	Nonferrous metal mill shapes and forms (bars, sheet strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	12	4	3	1
33200	Iron and steel castings (gray and malleable) rough and semifinished, received from foundries.....	6	2	10	5
34020	Miscellaneous fabricated metal products, including handtools, metal hardware, fabricated wire products, steel springs, metal pipe valves and fittings (SIC Industry Groups 342, 347, 348, 349 (except 3491)).....	16	5	(NA)	(NA)
34500	Bolts, nuts, screws, rivets, and screw machine products.....	10	3	10	5
34610	Metal stampings.....	9	3	11	5
35400	Dies, jigs, fixtures, punches and cutting tools for machine tools.....	11	4	7	3
35660	Plain bearings and bushings, speed reducers, gears and other mechanical power transmission equipment (except ball and roller bearings).....	1	(Z)	1	(Z)
36010	Industrial electrical control and distribution equipment, including coils.....	7	2	5	2
36110	Electrical meters and indicating instruments.....	11	4	8	4
36430	Heating units for electrical appliances.....	1	(Z)	(NA)	(NA)
36790	Resistors, capacitors, transformers, sockets, and other electronic components (except tubes, transistors and diodes).....	19	6	1	(Z)
38010	Timing mechanisms, clock movements, thermostats, and other controlling instruments.....	5	2	1	(Z)
38215	Counting mechanisms for integrators, totalizers, and other instruments.....	3	1	1	(Z)
38219	Subassemblies specially designed for mechanical measuring instruments, including bellows, diaphragm, and bourdon tube.....	13	4	(NA)	(NA)
38710	Clocks, timers, and timing mechanisms, including electric.....	5	2	3	1
99999	All other materials, containers, supplies, etc., not listed above.....	68	22	(NA)	(NA)

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3822--AUTOMATIC TEMPERATURE CONTROLS					
	Total materials, parts, containers, and supplies.....	142	(X)	90	(X)
	Not specified by kind (n.s.k.).....	3	(X)	13	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	139	100	77	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331011	Carbon steel:				
	Bars and bar shapes.....	1	1	1	1
331012	Sheet and strip.....	5	3	3	4
331019	All other carbon steel mill shapes and forms.....	2	1	(NA)	(NA)
331020	Alloy steel (except stainless).....	1	1	1	1
331031	Stainless steel.....	4	3	2	3
335790	Copper and copper-base alloy:				
	Insulated wire and cable.....	2	1	1	1
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes.....	6	4		
335123	Plate, sheet, and strip (including military cups and discs).....	4	3	9	12
335127	Pipe and tube.....	4	3		
335202	Aluminum and aluminum-base alloy:				
	Sheet, plate, and foil.....	1	1		
335205	Extruded shapes (including rod, bar, pipe, tube, etc.).....	1	1	1	1
335209	All other aluminum mill shapes and forms.....	1	1		
336100	Castings (rough and semifinished):				
	Aluminum and aluminum-base alloy.....	5	4	3	4
336200	Copper and copper-base alloy.....	3	2	2	3
362110	Fractional horsepower electric motors (under 1 hp.):				
	Timing motors, synchronous and subsynchronous.....	3	2	1	1
362115	Other fractional horsepower electric motors (excluding timing).....				
970099	All other materials and components, parts, containers, and supplies consumed.....	96	69	51	67
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26500	Paperboard containers and boxes including folding, corrugated, fiber, and setup.....	3	2	3	3
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	2	1	2	3
30000	Fabricated rubber and plastic products except gaskets.....	7	5	3	4
33030	Nonferrous metal mill shapes and forms (bar, sheet, strip, castings, forgings, plates, tubing, wire) excluding materials reported in Item 17 of applicable report form.....	4	3	1	1
34020	Miscellaneous fabricated metal products including handtools, metal hardware, fabricated wire products, steel springs, metal pipe, valves, and fittings (SIC Industry Groups 342, 347, 348, 349).....	9	6	(NA)	(NA)
34500	Bolts, nuts, screws, rivets, and screw machine products.....	6	4	6	8
34610	Metal stampings.....	6	4	2	3
35400	Dies, jigs, fixtures, punches, and cutting tools for machine tools.....	4	3	5	6
36110	Electronic meters and indicating instruments.....	8	6	1	1
36430	Appliance outlet switches, lampholders and other current carrying devices.....	13	9	1	1
38219	Subassemblies specially designed for mechanical measuring instruments including bellows, diaphragm and bourdon tube.....	15	11	4	5
99999	All other materials, containers, supplies, etc., not listed above.....	19	14	(NA)	(NA)
INDUSTRY 3842--SURGICAL APPLIANCES AND SUPPLIES					
	Total materials, parts, containers, and supplies.....	176	(X)	155	(X)
	Not specified by kind (n.s.k.).....	22	(X)	(NA)	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	154	100	155	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
209131	Cotton linters (net weight).....	1	1	(NA)	(NA)
221101	Cotton broadwoven fabrics (piece goods).....	7	5	(NA)	(NA)
220149	Other broadwoven fabrics (piece goods).....	2	1	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed.....	144	94	155	100
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
01120	Raw cotton.....	4	3	5	3
20110	Cut for sutures.....	13	8	14	9
22010	Fabrics, yarns, and threads.....	26	17	(NA)	(NA)
22950	Plastic resin and other impregnated and coated fabrics, except rubberized.....	1	1	6	4
26000	Paper and paperboard products, except paperboard boxes and containers.....	10	6	10	6
26500	Paperboard containers and boxes, including folding corrugated fiber setup.....	8	5	10	6
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	8	5	10	6
28200	Plastic and resin materials including molding, extrusion, and synthetic rubber.....	8	5	6	4
30000	Fabricated rubber and plastic products except gaskets.....	4	3	1	1
32010	Glass and glass products.....	11	7	8	5
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	5	3	6	4
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plate, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	7	5	6	4
34050	Bolts, nuts, screws, rivets, screw machine products, and metal stampings.....	2	1	(Z)	(Z)
34110	Metal cans and containers.....	4	3	5	3
34900	Fabricated metal pipe, valves, and pipe fittings, except plumbers'.....	9	6	10	6
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes and other electronic type components and other controlling instruments.....	1	1	(NA)	(NA)
38400	Surgical and orthopedic supplies, including suture and hypodermic needles.....	6	4	3	2
99999	All other materials, containers, supplies, etc., not listed above.....	21	14	-	-

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3851--OPHTHALMIC GOODS					
	Total materials, parts, containers, and supplies.....	87	(X)	56	(X)
	Not specified by kind (n.a.k.).....	-	(X)	-	(X)
	Total materials, parts, containers, and supplies, less n.a.k. ....	87	100	56	100
ESTIMATES BASED ON SUPPLEMENTAL SURVEY:					
28210	Plastic and resin materials including moulding and extrusion.....	11	13	(NA)	(NA)
32010	Glass and glass products.....	15	17	(NA)	(NA)
32910	Grinding wheels and other abrasive products except industrial diamonds.....	3	3	(NA)	(NA)
33390	Precious metals, alloyed and unalloyed.....	10	11	(NA)	(NA)
38515	Ophthalmic focus lenses (finished and semifinished and molded).....	7	8	(NA)	(NA)
38519	Ophthalmic centers, oxfords, trim, fronts, temples, and other parts (purchased separately).....	7	8	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	34	39	(NA)	(NA)
INDUSTRY 3861--PHOTOGRAPHIC EQUIPMENT					
	Total materials, parts, containers, and supplies.....	483	(X)	338	(X)
	Not specified by kind (n.s.k.).....	54	(X)	22	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	429	100	316	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
Mill shapes and forms (except castings):					
331001	Carbon steel.....	7	2	{ } 9	3
331020	Alloy steel (except stainless).....	4	1		
331031	Stainless steel.....	1	(Z)		
335003	Copper and copper-base alloy.....	8	2	(NA)	(NA)
336100	Aluminum and aluminum-base alloy castings.....	8	2	(NA)	(NA)
362110	Fractional horsepower electric motors, (under 1 hp):				
362115	Timing motors, synchronous and subsynchronous.....	4	1	(Z)	(Z)
	Other fractional horsepower electric motors, (excluding timing).....	2	(Z)	3	1
367010	Electron tubes, except X-ray.....	1	(Z)	(NA)	(NA)
367408	Solid state semiconductors.....				
281997	Silver nitrate.....	20	5	11	3
383101	Photographic and projection lens and prisms.....	9	2	6	2
970099	All other materials and components, parts, containers, and supplies consumed.....	374	87	286	91
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
26000	Paper and paperboard products, except paperboard boxes and containers.....	50	12	41	13
26500	Paperboard boxes and containers, including folding, corrugated, fiber, and setup.....	13	3	8	3
28010	Industrial chemicals and chemical products, including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	96	22	61	19
28910	Photographic gelatin.....	16	4	12	4
30000	Fabricated rubber and plastic products, except gaskets.....	11	3	8	3
32010	Glass and glass products.....	3	1	5	2
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forging, etc.).....	1	(Z)	8	3
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plate, tubing, wire) excluding materials previously reported in Item 17 of applicable report form.....	41	10	32	10
34500	Bolts, nuts, screws, rivets, and screw machine products.....	2	(Z)	3	1
34610	Metal stampings.....	2	(Z)	(NA)	(NA)
34770	Metal foil and leaf.....	25-10	-	(NA)	(NA)
36010	Industrial electrical control and distribution equipment including coils, circuit breakers, switches, relays, transformers.....				
36410	Electric lamp (bulbs) including fluorescent.....	6	1	6	2
38610	Shutters range finders, meters, and other photographic components and raw film.....	3	1	3	1
99999	All other materials, containers, and supplies, etc., not listed above.....	42	10	52	16
		88	21	(NA)	(NA)
INDUSTRY 3871--WATCHES AND CLOCKS					
	Total materials, parts, containers, and supplies.....	207	(X)	145	(X)
	Not specified by kind (n.s.k.).....	29	(X)	8	(X)
	Total materials, parts, containers, and supplies, less n.s.k. ....	178	100	137	100
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:					
362110	Fractional horsepower electric motors (under 1 hp):				
	Timing motors, synchronous and subsynchronous.....	2	1	2	2
Watchcases:					
Men's wristwatch cases:					
387200	Carat gold and platinum.....	3	2	{ } 17	12
387201	Gold filled.....	2	1		
387202	Rolled gold plate and sterling silver (including rolled gold plate with steel back).....	3	2		
387203	Other metals.....	5	3		
Women's wristwatch cases:					
387204	Carat gold and platinum.....	4	2	{ } 17	12
387205	Gold filled.....	1	1		
387206	Rolled gold plate and sterling silver (including rolled gold plate with steel back).....	5	3		
387207	Other metals.....	3	2		
387208	Pocket and other watchcases (all qualities).....	1	(Z)	{ } 118	86
387209	Imported watch movements.....	46	26		
970099	All other materials and components, parts, containers, and supplies consumed.....	103	58		

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3871--WATCHES AND CLOCKS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	3	2	4	3	
28210	Plastic and resin materials, including moulding and extrusion.....	1	1	2	1	
30790	Fabricated plastic products.....	3	2	6	4	
31720	Personal goods, including watch straps, shaver cases, and jewelry cases.....	2	1	2	1	
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).	7	4	1	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	8	4	11	8	
34500	Bolts, nuts, screws, rivets, and screw machine products.....	3	2	4	3	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	1	1	2	1	
38610	Shutters, range finders, meters, and other photographic components, and raw films.....	25-10	-	(NA)	(NA)	
38710	Clocks, timers, and timing mechanisms, including electric.....	44	25	59	43	
39110	Watch bands, precious metal, including gold plated.....	2	1	1	1	
39125	Jewel bearings, synthetic, and jewelers' findings.....	3	2	3	2	
39130	Precious stones, cut and polished.....	1	1	2	1	
39610	Watch bands, metal, except precious metal.....	3	2	4	3	
99999	All other materials, containers, supplies, etc., not listed above.....	22	12	(NA)	(NA)	
INDUSTRY 3911--JEWELRY, PRECIOUS METAL						
Total materials, parts, containers, and supplies.....						
		197	(X)	133	(X)	
Not specified by kind (n.s.k.).....						
		(NA)	(X)	(NA)	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		197	100	133	100	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
26500	Paperboard containers and boxes, including folding, corrugated, fiber, and setup.....	1	1	(NA)	(NA)	
31720	Personal goods, including watch straps, shaver cases, and jewelry cases.....	4	2	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	1	1	(NA)	(NA)	
33390	Precious metals, alloyed and unalloyed.....	73	37	(NA)	(NA)	
39120	Jewel bearings, synthetic.....	5	3	(NA)	(NA)	
39130	Parts specially designed for musical instruments, including actions, strings, mouthpieces.....	86	44	(NA)	(NA)	
91900	Pearls (natural or cultured), not drilled.....	1	1	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	26	13	(NA)	(NA)	
INDUSTRY 3931--MUSICAL INSTRUMENTS AND PARTS						
Total materials, parts, containers, and supplies.....						
		132	(X)	115	(X)	
Not specified by kind (n.s.k.).....						
		(NA)	(X)	(NA)	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		132	100	115	100	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22910	Felt goods, except woven.....	2	2	(NA)	(NA)	
24010	Lumber, plywood and wood products, except complete containers.....	20	15	(NA)	(NA)	
25110	Wood, household furniture, except upholstered.....	19	14	(NA)	(NA)	
28210	Plastic and resin materials, including moulding and extrusion.....	10	8	(NA)	(NA)	
28510	Paints, varnishes, lacquers, and enamels.....	3	2	(NA)	(NA)	
31610	Cases for musical instruments.....	2	2	(NA)	(NA)	
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).	13	10	(NA)	(NA)	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	5	4	(NA)	(NA)	
36510	Loud speakers, microphones, tuners (all types) and radios.....	1	1	(NA)	(NA)	
36700	Condensers, resistors, transformers, styli, loudspeakers, tubes, and other electronic type components.....	22	17	(NA)	(NA)	
39310	Parts specially designed for musical instruments, including actions, strings, mouthpieces.....	21	16	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	14	11	(NA)	(NA)	
INDUSTRY 3941--GAMES AND TOYS						
Total materials, parts, containers, and supplies.....						
		325	(X)	239	(X)	
Not specified by kind (n.s.k.).....						
		42	(X)	-	(X)	
Total materials, parts, containers, and supplies, less n.s.k.....						
		283	100	239	100	
ESTIMATES IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331001	Carbon steel.....	13	5	(NA)	(NA)	
331020	Alloy steel (except stainless).....	3	1	(NA)	(NA)	
331031	Stainless.....					
282130	Thermoplastic resins.....	36	13	(NA)	(NA)	
282140	Thermosetting resins.....	3	1	(NA)	(NA)	
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.).	1	(Z)	(NA)	(NA)	
311100	Leather, finished.....	1	(Z)	(NA)	(NA)	
265011	Paperboard containers and boxes.....	39	14	(NA)	(NA)	
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	3	1	(NA)	(NA)	
970099	All other materials and components, parts, containers, and supplies consumed.....	184	65	239	100	

See footnotes at end of table.

# Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958		
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.	
INDUSTRY 3941--GAMES AND TOYS--Continued						
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22950	Plastic, resin, and other impregnated and coated fabrics, except rubberized.....	6	2	17	7	
24010	Lumber, plywood and wood products, except complete containers.....	14	5	8	3	
26000	Paper and paperboard products, except paperboard boxes and containers.....	21	7	20	8	
27000	Charts, chart paper, labels, coupons, and other printed materials.....	2	1	(NA)	(NA)	
28510	Paint, varnishes, lacquers, and enamels.....	6	2	7	3	
30000	Fabricated rubber and plastic products, except gaskets.....	42	15	21	9	
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	2	1	17	7	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	4	1	21	9	
34050	Bolts, nuts, screws, rivets, screw machine products and metal stampings.....	6	2	13	5	
34810	Wire cloth, springs, and other nonelectric fabricated wire products.....	2	1	4	2	
36120	Transformers, power and distribution.....	1	(Z)	7	3	
39410	Fabricated toy and game parts, not elsewhere classified.....	25	8	23	10	
99999	All other materials, containers, supplies, etc., not listed above.....	53	19	(NA)	(NA)	
INDUSTRY 3949--SPORTING AND ATHLETIC GOODS						
Total materials, parts, containers, and supplies.....						
	293	(X)	232	(X)		
Not specified by kind (n.s.k.).....						
	48	(X)	-	(X)		
Total materials, parts, containers, and supplies, less n.s.k.....						
	245	100	232	100		
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms:						
331001	Carbon steel.....	16	7	(NA)	(NA)	
331020	Alloy steel.....	4	2	(NA)	(NA)	
331031	Stainless steel.....	1	(Z)	(NA)	(NA)	
335208	Aluminum and aluminum-base alloy.....	5	2	(NA)	(NA)	
335003	Copper and copper-base alloy.....	2	1	(NA)	(NA)	
282130	Thermoplastic resins.....	5	2	(NA)	(NA)	
282140	Thermosetting resins.....	2	1	(NA)	(NA)	
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.).....	9	4	(NA)	(NA)	
311100	Leather, finished.....	14	6	(NA)	(NA)	
265011	Paperboard containers and boxes.....	9	4	(NA)	(NA)	
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors).....	2	1	(NA)	(NA)	
970099	All other materials and components, parts, containers and supplies consumed.....	176	72	232	100	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22900	Pressed felts, paddings, batting, and pressed mill waste.....	2	1	3	1	
24010	Lumber, plywood, and wood products, except complete containers.....	35	14	45	19	
28510	Paints, varnishes, lacquers, and enamels.....	4	2	6	3	
30000	Fabricated plastic and rubber products (including impregnated glass fiber).....	35	14	18	8	
32290	Glass fiber, including yarn, roving, strand, mat, etc (not impregnated).....	7	3	2	1	
33010	Iron and steel mill shapes and forms (including rod, bar, strip, tubing, castings, forgings, etc.).....	5	2	44	19	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	6	2	14	6	
34500	Bolts, nuts, screws, rivets, washers, and screw machine products.....	11	4	3	1	
39490	Sporting and athletic goods, n.e.c.....	26	11	(Z)	(Z)	
99999	All other materials, containers, supplies, etc.....	45	18	(NA)	(NA)	
INDUSTRY 3964--NEEDLES, PINS, AND FASTENERS						
Total materials, parts, containers, and supplies.....						
	131	(X)	85	(X)		
Not specified by kind (n.s.k.).....						
	22	(X)	16	(X)		
Total materials, parts, containers, and supplies, less n.s.k.....						
	109	100	69	100		
AS SPECIFIED IN 1963 CENSUS OF MANUFACTURES:						
Mill shapes and forms (except castings):						
331001	Carbon steel.....	8	7			
331020	Alloy steel (except stainless).....	1	1			
331031	Stainless steel.....	1	1			
335208	Aluminum and aluminum-base alloy.....	7	7	(NA)	(NA)	
335003	Copper and copper-base alloy.....	12	11	14	20	
970099	All other materials and components, parts, containers, and supplies consumed.....	80	73	44	64	
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:						
22010	Fabric, yarn, and threads.....	14	13	16	23	
26000	Paper and paperboard products, except paperboard boxes and containers.....	2	2	2	3	
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	7	6	2	3	
28210	Plastic and resin materials, including moulding and extrusion.....	2	2	1	1	
28510	Paints, varnishes, lacquers, and enamels.....	1	1	1	1	
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	3	3	8	12	
34610	Metal stampings.....	15	14	8	12	
39640	Needles, pins, fasteners and similar notions.....	25-10	-	(NA)	(NA)	
99999	All other materials, containers, supplies, etc., not listed above.....	36	33	(NA)	(NA)	

See footnotes at end of table.

## Materials Consumed by Kind, 1963 and 1958--Continued

Code	Industry and material item	1963		1958	
		Delivered cost (million dollars)	Percent of total, less n.s.k.	Delivered cost (million dollars)	Percent of total, less n.s.k.
INDUSTRY 3981--BROOMS AND BRUSHES					
	Total materials, parts, containers, and supplies.....	115	(X)	104	(X)
	Not specified by kind (n.s.k.).....	(NA)	(X)	(NA)	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	115	100	104	100
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood, and wood products, except complete containers.....	19	17	(NA)	(NA)
26000	Paper and paperboard products, except paperboard boxes and containers.....	2	2	(NA)	(NA)
28210	Plastic and resin materials, including moulding and extrusion.....	42	37	(NA)	(NA)
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	4	3	(NA)	(NA)
34610	Metal stampings.....	3	3	(NA)	(NA)
39990	Hair dressed, including bristle and horsehair.....	13	11	(NA)	(NA)
91010	Other vegetable fibers, including palmyro, istle, or tampico, broom root.....	6	5	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	26	23	(NA)	(NA)
INDUSTRY 3988--MORTICIANS' GOODS					
	Total materials, parts, containers, and supplies.....	121	(X)	99	(X)
	Not specified by kind (n.s.k.).....	(NA)	(X)	(NA)	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	121	100	99	100
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
22010	Fabrics, yarn, and threads.....	16	13	(NA)	(NA)
22930	Paddings, battings, wadding and filling, all fibers (except wood, rubber, and plastic).....	3	2	(NA)	(NA)
24010	Lumber, plywood, and wood products, except complete containers.....	13	11	(NA)	(NA)
24400	Complete wooden containers, including box shoo and cooperage.....	1	1	(NA)	(NA)
28510	Paints, varnishes, lacquers, and enamels.....	7	6	(NA)	(NA)
30000	Fabricated rubber and plastic products, except gaskets.....	2	2	(NA)	(NA)
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	19	16	(NA)	(NA)
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	6	5	(NA)	(NA)
34290	Metal hardware.....	15	12	(NA)	(NA)
39880	Casket and coffin shells, and inner liners (knocked-down or setup).....	37	31	(NA)	(NA)
99999	All other materials, containers, supplies, etc., not listed above.....	2	2	(NA)	(NA)
INDUSTRY 3993--SIGNS AND ADVERTISING DISPLAYS					
	Total materials, parts, containers, and supplies.....	215	(X)	157	(X)
	Not specified by kind (n.s.k.).....	(NA)	(X)	(NA)	(X)
	Total materials, parts, containers, and supplies, less n.s.k.....	215	100	157	100
ESTIMATES BASED ON SUPPLEMENTARY SURVEY:					
24010	Lumber, plywood, and wood products, except complete containers.....	4	2	6	4
26000	Paper and paperboard products, except paperboard boxes and containers.....	17	8	12	8
26500	Paperboard containers and boxes, including folding, corrugated, fiber and setup.....	10	5	4	3
28010	Industrial chemicals and chemical products including acids, gases, fluxes, foundry chemicals, plating chemicals, alkalies, oxides, frit, etc.....	7	3	4	3
28210	Plastic and resin materials, including moulding and extrusion.....	34	16	20	13
28510	Paints, varnishes, lacquers, and enamels.....	6	3	7	4
30000	Fabricated rubber and plastic products, except gaskets.....	16	7	13	8
32010	Glass and glass products.....	1	(Z)	2	1
33010	Iron and steel shapes and forms (bars, sheet, strip, castings, forgings, etc.).....	46	21	38	24
33030	Nonferrous metal mill shapes and forms (bars, sheet, strip, castings, forgings, plates, tubing, wire), excluding materials previously reported in Item 17 of applicable report form.....	14	7	1	1
34290	Metal hardware.....	9	4	(NA)	(NA)
36010	Industrial electrical control and distribution equipment, including coils, circuit breakers, switches, relays, transformers.....	3	1	1	1
36120	Transformers, power and distribution.....	19	9	13	8
36400	Electric wiring devices, including lampholders, outlets, snapacting switches, metal contacts, and wire connectors.....	11	5	10	6
99999	All other materials, containers, supplies, etc., not listed above.....	18	8	(NA)	(NA)

Note: The MA-131 Survey required about 100 separate forms with tailored lists of materials for each industry or industry group. When a material title covered a broad standard industrial classification (SIC) area, the descriptions of the material in the supplemental survey some times differed from one form to another although the code remained the same. To facilitate the preparation of estimates by respondents in reporting such items, the description given on a particular form and repeated in this publication with statistics for the industry will frequently include specific material examples common to the specific industry for which the MA-131 form was designed.

Figures may not add to totals due to independent rounding.

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. n.s.k. Not specified by kind. (X) Not applicable. (Z) Less than one half the specified unit of measure or less than 0.5 percent.

<sup>1</sup>Sulfur, crude appears above as part of the Census of Manufactures.

<sup>2</sup>Value is included in code 99999.

<sup>3</sup>Automotive stampings included with motor vehicles parts and accessories, etc.

Appendix Table A. Industries Included in the Supplementary Materials Survey and Measure of Their Importance in all Other Materials

Code	Industry	All other materials as reported in census of manufactures		Code	Industry	All other materials as reported in census of manufactures	
		Total (million dollars)	Percent of total reported by establishments included in this survey			Total (million dollars)	Percent of total reported by establishments included in this survey
2812	Alkalies and chlorine.....	146	51-75	3611	Electrical measuring instruments.....	141	51-75
2815	Intermediate coal tar products.....	325	51-75	3612	Transformers.....	144	51-74
2818	Organic chemicals, n.e.c.....	1,073	51-75	3613	Switchgear and switchboards.....	177	51-75
2819	Inorganic chemicals, n.e.c.....	520	26-50	3621	Motors and generators.....	265	51-75
2821	Plastics materials and resins.....	686	26-50	3622	Industrial controls.....	92	26-50
2824	Organic fibers, noncellulosic.....	451	51-75	3623	Electric welding apparatus.....	64	51-75
2833	Medicinals and botanicals.....	116	26-50	3629	Electrical industrial goods, n.e.c.....	60	51-75
2834	Pharmaceutical preparations.....	391	51-75	3631	Household cooking equipment.....	147	51-75
2841	Soap and other detergents.....	276	51-75	3632	Household refrigerators.....	388	76-100
2842	Polishes and sanitation goods.....	123	1-25	3633	Household laundry equipment.....	230	76-100
2844	Toilet preparations.....	205	26-50	3634	Electrical housewares and fans.....	214	26-50
2879	Agricultural chemicals, n.e.c.....	244	26-50	3639	Household appliances, n.e.c.....	95	51-75
2891	Glue and gelatin.....	188	1-25	3641	Electric lamps.....	161	51-75
2893	Printing ink.....	135	1-25	3642	Lighting fixtures.....	308	26-50
2899	Chemical preparations, n.e.c.....	383	1-25	3643	Current carrying devices.....	106	51-75
3429	Hardware, n.e.c.....	292	51-75	3644	Noncurrent carrying devices.....	78	26-50
3433	Heating equipment, except electric....	264	26-50	3651	Radio and TV receiving sets.....	860	76-100
3443	Boiler shop products.....	215	1-25	3661	Telephone; telegraph apparatus.....	490	76-100
3444	Sheet metalwork.....	106	1-25	3662	Radio, TV communications equipment....	2,033	26-50
3461	Metal stampings.....	300	26-50	3674	Semiconductors.....	141	51-75
3481	Fabricated wire products, n.e.c.....	84	1-25	3679	Electronic components, n.e.c.....	435	26-50
3494	Valves and pipe fittings.....	215	26-50	3691	Storage batteries.....	129	26-50
3511	Steam engine and turbines.....	95	76-100	3694	Engine, electrical equipment.....	226	51-75
3519	Internal combustion engines.....	489	51-75	3699	Electrical products, n.e.c.....	45	26-50
3522	Farm machinery and equipment.....	645	51-75	3713	Truck and bus bodies.....	115	26-50
3531	Construction machinery.....	491	51-75	3715	Truck trailers.....	169	51-75
3533	Oilfield machinery.....	89	1-25	3717	Motor vehicles and parts.....	18,825	76-100
3536	Hoists, cranes, and monorails.....	38	51-75	3721	Aircraft.....	2,234	26-50
3537	Industrial trucks and tractors.....	110	51-75	3722	Aircraft engines and parts.....	1,057	51-75
3541	Metal-cutting machine tools.....	188	51-75	3729	Aircraft equipment, n.e.c.....	732	51-75
3542	Metal-forming machine tools.....	71	26-50	3732	Boat building and repairing.....	83	1-25
3544	Special dies and tools.....	86	1-25	3741	Locomotives and parts.....	213	51-75
3545	Machine tool accessories.....	98	26-50	3742	Railroad and street cars.....	271	26-50
3548	Metalworking machinery, n.e.c.....	152	26-50	3791	Trailer coaches.....	229	26-50
3551	Food products machinery.....	90	1-25	3811	Scientific instruments.....	110	1-25
3552	Textile machinery.....	117	26-50	3821	Mechanical measuring devices.....	232	26-50
3554	Paper industries machinery.....	103	26-50	3822	Automatic temperature controls.....	96	51-75
3555	Printing trades machinery.....	58	26-50	3842	Surgical appliances and supplies.....	144	51-75
3559	Special industry machines, n.e.c.....	178	26-50	3851	Ophthalmic goods.....	87	26-50
3561	Pumps and compressors.....	304	26-50	3861	Photographic equipment.....	374	51-75
3567	Industrial furnaces and ovens.....	63	26-50	3871	Watches and clocks.....	103	76-100
3569	General industry machines, n.e.c.....	115	26-50	3911	Jewelry, precious metal.....	197	26-50
3571	Computing and related machines.....	674	76-100	3931	Musical instruments and parts.....	132	26-50
3579	Office machines, n.e.c.....	43	51-75	3941	Games and toys.....	184	26-50
3581	Automatic vending machines.....	67	26-50	3949	Sporting and athletic goods.....	176	26-50
3585	Refrigeration machinery.....	504	26-50	3964	Needles, pins, and fasteners.....	80	1-25
3589	Service industry machines, n.e.c.....	86	1-25	3981	Brooms and brushes.....	115	1-25
3599	Miscellaneous machinery.....	181	26-50	3993	Morticians' goods.....	121	1-25
					Signs and advertising displays.....	215	1-25

**Appendix Table B. Consumption of Materials, Parts, Containers, and Supplies in Manufacturing Establishments During 1963**

(Industries for which additional detail was obtained in a post Census Supplemental Survey)

Code	Industry	Materials, parts, containers, and supplies consumed as reported, in 1963 Census (million dollars)			Percent of column 3		
		Total (1)	Not specified by kind (n.s.k.) (2)	Total less n.s.k. (3)	Reported separately by—	All other materials, after supplemental survey	
					Census of manufactures	Supplemental survey	
2812	Alkalies and chlorine.....	159	1	158	8	78	14
2815	Intermediate coal tar products.....	483	11	472	31	54	15
2818	Organic chemicals, n.e.c.....	1,765	131	1,634	34	56	10
2819	Inorganic chemicals, n.e.c.....	1,142	69	1,073	52	38	10
2821	Plastics materials and resins.....	1,260	-	1,260	46	38	16
2824	Organic fibers, noncellulosic.....	463	-	463	3	80	17
2833	Medicinals and botanicals.....	135	3	132	12	74	14
2834	Pharmaceutical preparations.....	671	36	635	38	50	12
2841	Soap and other detergents.....	884	39	845	67	26	7
2842	Polishes and sanitation goods.....	281	68	213	42	51	7
2844	Toilet preparations.....	505	44	461	56	37	7
2879	Agricultural chemicals, n.e.c.....	244	-	244	-	95	5
2891	Glue and gelatin.....	188	-	188	-	88	12
2893	Printing ink.....	135	-	135	-	96	4
2899	Chemical preparations, n.e.c.....	383	-	383	-	68	32
3429	Hardware, n.e.c.....	654	44	610	52	39	9
3433	Heating equipment, except electric.....	470	57	413	36	55	9
3443	Boiler shop products.....	755	76	679	68	24	8
3444	Sheet metalwork.....	562	123	439	76	11	13
3461	Metal stampings.....	1,171	109	1,062	72	19	9
3481	Fabricated wire products, n.e.c.....	434	75	359	77	15	8
3494	Valves and pipe fittings.....	570	40	530	59	29	12
3511	Steam engines and turbines.....	219	1	218	56	11	33
3519	Internal combustion engines.....	694	35	659	26	61	13
3522	Farm machinery and equipment.....	1,426	121	1,305	51	37	12
3531	Construction machinery.....	1,284	60	1,224	60	27	13
3533	Oilfield machinery.....	216	24	192	54	35	11
3536	Hoists, cranes, and monorails.....	101	5	96	60	20	20
3537	Industrial trucks and tractors.....	193	14	179	39	50	11
3541	Metal-cutting machine tools.....	334	35	299	37	46	17
3542	Metal-forming machine tools.....	144	16	128	45	43	12
3544	Special dies and tools.....	282	90	192	55	28	17
3545	Machine tool accessories.....	189	29	160	39	33	28
3548	Metalworking machinery, n.e.c.....	280	28	252	40	36	24
3551	Food products machinery.....	205	43	162	44	38	18
3552	Textile machinery.....	210	21	189	38	54	8
3554	Paper industries machinery.....	166	11	155	34	47	19
3555	Printing trades machinery.....	123	27	96	40	54	6
3559	Special industry machines, n.e.c.....	356	59	297	40	42	18
3561	Pumps and compressors.....	570	41	529	43	38	19
3567	Industrial furnaces and ovens.....	113	20	93	32	53	15
3569	General industry machines, n.e.c.....	222	49	173	34	27	39
3571	Computing and related machines.....	847	24	823	18	74	8
3579	Office machines, n.e.c.....	78	17	61	28	56	16
3581	Automatic vending machines.....	109	20	89	25	59	16
3585	Refrigeration machinery.....	958	73	885	43	45	12
3589	Service industry machines, n.e.c.....	151	27	124	31	46	23
3599	Miscellaneous machinery.....	529	191	338	46	24	30
3611	Electric measuring instruments.....	217	36	181	23	58	19
3612	Transformers.....	325	5	320	55	33	12
3613	Switchgear and switchboards.....	400	36	364	51	37	12
3621	Motors and generators.....	662	34	628	58	33	9
3622	Industrial controls.....	196	27	169	46	37	17
3623	Electric welding apparatus.....	151	10	141	55	30	15
3629	Electric industrial goods, n.e.c.....	93	14	79	24	57	19
3631	Household cooking equipment.....	236	27	209	30	56	14
3632	Household refrigerators.....	649	31	618	37	56	7
3633	Household laundry equipment.....	396	9	387	40	44	16
3634	Electric housewares and fans.....	336	32	304	30	55	15
3639	Household appliances, n.e.c.....	216	39	177	46	38	16

See footnotes at end of table.

**Appendix Table B. Consumption of Materials, Parts, Containers, and Supplies in Manufacturing Establishments During 1963—Continued**

(Industries for which additional detail was obtained in a post Census Supplemental Survey)

Code	Industry	Materials, parts, containers, and supplies consumed as reported, in 1963 Census (million dollars)			Percent of column 3		
		Total (1)	Not specified by kind (n.s.k.) (2)	Total, less n.s.k. (3)	Reported separately by--	All other materials, after supplemental survey	
3641	Electric lamps.....	184	6	178	10	84	6
3642	Lighting fixtures.....	539	123	416	26	56	18
3643	Current carrying devices.....	225	48	177	40	42	18
3644	Noncurrent carrying devices.....	203	12	191	59	20	21
3651	Radio and TV receiving sets.....	1,335	137	1,198	28	70	2
3661	Telephone; telegraph apparatus.....	655	10	645	24	64	12
3662	Radio, TV communications equipment.....	2,469	135	2,334	13	64	23
3674	Semiconductors.....	183	-	183	23	46	31
3679	Electronic components, n.e.c.....	755	136	619	30	54	16
3691	Storage batteries.....	264	31	233	45	31	24
3694	Engine electrical equipment.....	356	7	349	35	28	37
3699	Electrical products, n.e.c.....	83	17	66	32	47	21
3713	Truck and bus bodies.....	224	50	174	34	34	32
3715	Truck trailers.....	299	30	269	37	52	11
3717	Motor vehicles and parts.....	23,518	728	22,790	17	75	8
3721	Aircraft.....	2,459	44	2,415	7	78	15
3722	Aircraft engines and parts.....	1,386	61	1,325	20	71	9
3729	Aircraft equipment, n.e.c.....	997	49	948	23	68	9
3732	Boat building and repairing.....	168	57	111	53	31	16
3741	Locomotives and parts.....	233	1	232	8	65	27
3742	Railroad and street cars.....	576	8	568	52	38	10
3791	Trailer coaches.....	472	101	371	38	65	7
3811	Scientific instruments.....	166	32	134	18	45	37
3821	Mechanical measuring devices.....	358	48	310	25	53	22
3822	Automatic temperature controls.....	142	3	139	31	55	14
3842	Surgical appliances and supplies.....	176	22	154	6	80	14
3851	Ophthalmic goods.....	87	-	87	-	61	39
3861	Photographic equipment.....	483	54	429	13	66	21
3871	Watches and clocks.....	207	29	178	42	49	9
3911	Jewelry, precious metal.....	197	-	197	-	87	13
3931	Musical instruments and parts.....	132	-	132	-	89	11
3941	Games and toys.....	325	42	283	35	46	19
3949	Sporting and athletic goods.....	293	48	245	28	54	18
3964	Needles, pins, and fasteners.....	131	22	109	27	40	33
3981	Brooms and brushes.....	115	-	115	-	77	23
3988	Morticians' goods.....	121	-	121	-	98	2
3993	Signs and advertising displays.....	215	-	215	-	92	8

- Represents zero. n.e.c. Not elsewhere classified.

n.s.k. Not specified by kind.

## Appendix C. Report Form

DUE IN WASHINGTON: March 31, 1964

Budget Bureau No. 41-6357; Approval Expires March 15, 1965

<b>FORM MA-131.585</b> <small>(10-7-63)</small> U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS  <b>SUPPLEMENTAL INQUIRY</b>  <b>CONSUMPTION OF</b> <b>MATERIALS, PARTS, CONTAINERS, AND</b> <b>SUPPLIES DURING 1963</b>  <b>REFRIGERATION MACHINERY</b>	<b>CONFIDENTIAL</b> - Response to this inquiry is authorized by Act of Congress (13 U.S.C.). The report you submit to the Census Bureau is confidential and may be seen only by sworn Census employees. It may not be used for purposes of taxation, investigation or regulation. Copies retained in your files are also immune from legal process.  <small>(Please correct if name or address has changed)</small>
<b>TO: Bureau of the Census</b> Industry Division Washington, D.C. 20233	<b>(PLEASE RETURN THIS COPY)</b>

## INSTRUCTIONS

## GENERAL

This report form is designed to secure detailed information regarding the composition of the subtotal reported for "All other materials and components, containers, and supplies consumed," code 970099, item 17, on your 1963 Census of Manufactures report. If the 1963 Census of Manufactures report form mailed for the designated plant did not contain an item 17, then the costs for the detailed materials reported on this form should account for your total cost of materials, parts, components, containers, supplies, etc., consumed (item 5a).

A separate report should be filed for each specified establishment indicated in the address box. One copy of each report should be filed with the Bureau of the Census, Washington D.C., 20233, in the enclosed official envelope. While this report may be prepared concurrently with Census of Manufactures report forms, the MA-131 forms should be returned to Washington, D.C., 20233, office, and the Census of Manufactures forms to Jeffersonville Office of the Bureau of the Census.

Additional copies of this report form are available upon request to the Bureau of the Census, Washington, D.C., 20233.

## Section I - SUMMARY OF MATERIALS CONSUMED DURING 1963

This section contains a three-line summary of information reported in item 17, Cost of materials, parts, containers, and supplies of your 1963 Census of Manufactures.

**Line 1-Materials, parts, components, containers, etc.** - Enter the sum of the dollar figures reported in item 17 for all specified materials. This figure should equal the total reported for item 17 less the figure reported for code 970099 in item 17.

**Line 2 - All other materials, etc.** - Enter the figure reported in item 17 for code 970099.

**Line 3 - Enter the sum for Lines 1 and 2.** - This figure should be identical with the figure reported as Total, item 17, and in item 5a of your 1963 Census of Manufactures report form.

## Section II - 1963 CONSUMPTION OF SELECTED MATERIALS, PARTS, COMPONENTS, ETC.

In this section report the requested data on materials, parts, etc., for which separate figures were not requested in your 1963 report. The sum of the figures reported in this section should be the same as the total shown on line 2, Section I.

For listed items in column (a), enter a figure in column (b) for each item in which your 1963 consumption amounted to \$25,000 or more.

**"Other important materials, parts, etc."** - List and report separate costs for those items amounting to \$25,000 or more, provided they constitute at least 1% of total costs.

**"All other materials, parts, etc., not listed above (Section II, 2nd line from bottom)"** - Report total cost of materials, parts, etc., consumed, not reported separately.

In reporting non-listed items on the blank lines provided, do not use general terms, such as "operating supplies" or "interplant receipts." Groupings of materials, parts and supplies similar to those shown for the listed items may be reported.

Report each of the materials actually consumed during 1963, whether received from other companies, withdrawn from inventory or obtained from other establishments of this company. Report all materials, parts, components, etc., purchased or received from other establishments of your company. Do not report parts, components, etc., produced in this establishment which are consumed in producing the final products of this establishment. For example: castings, forgings, stampings, fasteners, valves, hardware, etc., produced in this establishment which become part of the establishment's final product should not be reported since this would involve duplication of the materials consumed in the production of these components. Castings, forgings, etc., received from other plants of this company should be reported by this establishment.

**Column (b) - Delivered cost** - Report in thousands of dollars, the delivered cost actually paid, or payable, after discounts and allowances. Include freight and direct charges incurred in acquiring the listed materials consumed during 1963. The values for materials transferred from other establishments of this company should be consistent with those as reported on your Census of Manufactures form.

The reported figures may be derived from either purchase, consumption or other records. The figures reported for major materials and supply items should represent amounts consumed, and, if these differ significantly from purchase costs, the latter should be adjusted accordingly by means of an estimate.

If 1963 data are not available, these figures may be estimated by utilizing percentages derived from other appropriate information provided that these are reasonably representative of the types and proportions of materials used in 1963.

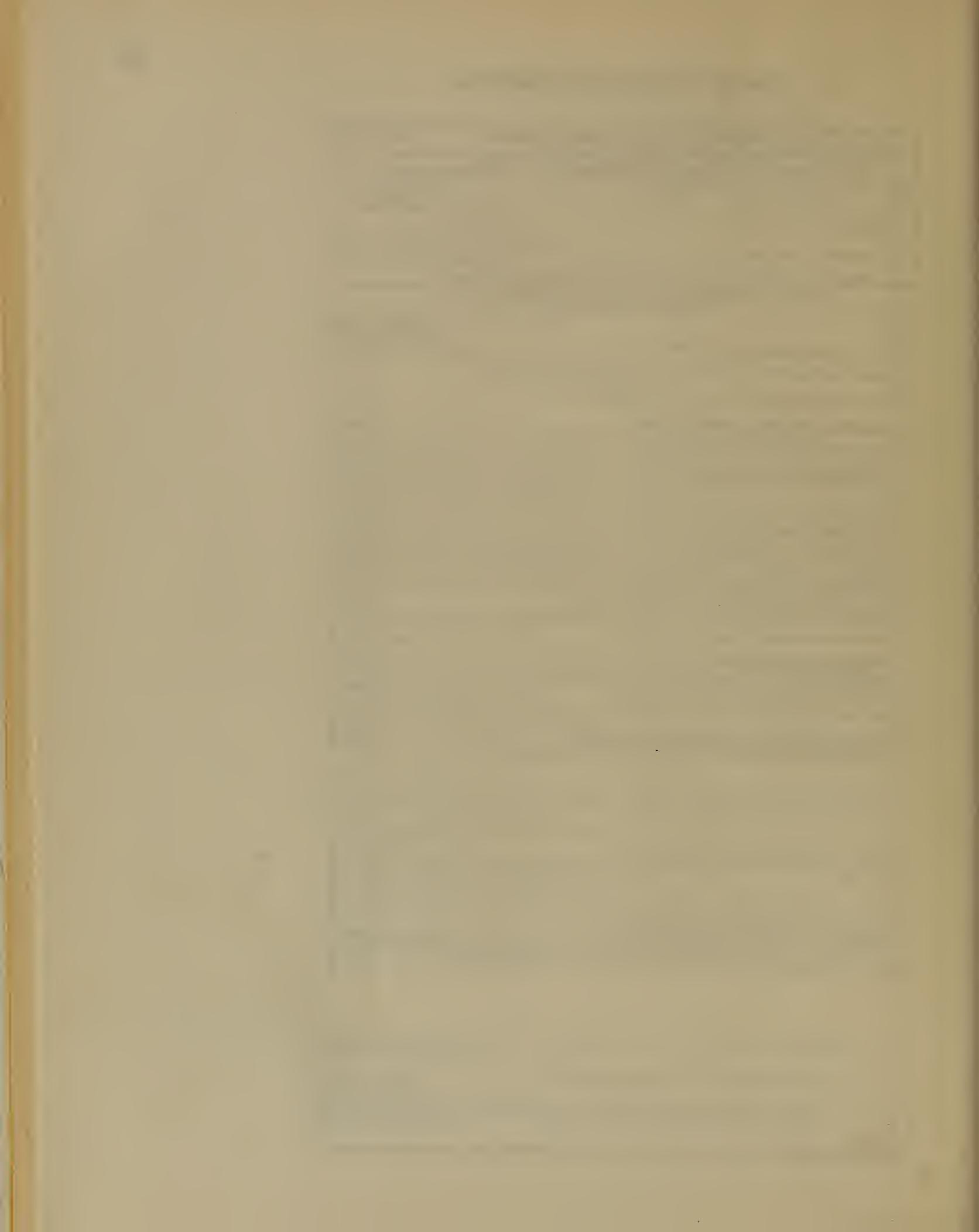
If any materials, parts, components or supplies consumed cannot be readily identified as being included in the pre-listed entries, report the requested information under "Other important materials, etc." and describe the item in sufficient detail in column (a) so that it may be coded by the Census Bureau.

If your purchase or consumption records are summarized differently from the classifications indicated by the pre-listed entries, entries based on your own system are acceptable unless your categories are too general, such as "parts" or "assemblies." Such entries should be included on the lines under "Other important materials, etc.," or on a separate sheet. The items should be described as clearly as possible.

Name of person who should be contacted if questions arise concerning this report	Address	Telephone No.
PERIOD OF REPORT This report covers the period . . . . .	From: (Month, day, year)	To: (Month, day, year)
<b>CERTIFICATION</b> - This report is substantially accurate and has been prepared in accordance with instructions.		
Signature of authorized person	Title	Date

## Appendix C. Report Form--Continued

REFRIGERATION MACHINERY AND OTHER PRODUCTS			
<b>Section I - SUMMARY OF MATERIALS, PARTS, COMPONENTS, ETC., CONSUMED DURING 1963</b>			
Line No.	Item (a)	Delivered cost (In thousands of dollars) (b)	
1	Materials, parts, components, containers and supplies reported separately in item 17, 1963 Census of Manufactures	\$	
2	All other materials, parts, components, containers and supplies consumed (item 17, code 970099)	\$	
3	<b>TOTAL (Item 5s, reported for the 1963 Census of Manufactures)</b> →	\$	
<b>Section II - 1963 CONSUMPTION OF MATERIALS, PARTS, COMPONENTS, ETC., INCLUDED IN SECTION I, LINE 2</b>			
Line No.	Item (a)	Delivered cost (In thousands of dollars) (b)	Code number
1	Compressors, compressor units, condensing units, fin coils, and other heat-transfer equipment		35850
2	Metal hardware (including hinges, handles, locks, casters, etc.)		34290
3	Wire shelves and other fabricated nonelectric wire products		34810
4	Relays, regulators, and other electrical control apparatus		36010
5	Fabricated metal pipe, valves, and pipe fittings		34900
6	Bolts, nuts, screws, rivets, and screw machine products		34500
7	Metal stampings (including vitreous enameled)		34610
8	Mineral wool insulation (including glass fibers)		32960
9	Fabricated rubber and plastic products (including door seals)		30000
10	Appliance outlets, switches, lampholders, and other current carrying wiring devices		36430
11	Automatic temperature controls (thermostats, regulators, etc.)		38220
12	Paints, varnishes, lacquers, and enamels		28510
13	Industrial chemicals and chemical products (including refrigerant gases, acids, enameling frit, etc.)		28010
14	Lumber, plywood, and wood products, except complete containers		24010
15	Wooden containers, complete (including combination wood and paperboard)		24400
16	Other important materials, supplies, etc. (List and specify remaining important items separately - see Instructions)		
17			
18			
19			
20			
21			
22	All other materials, containers, supplies, etc., not listed above		99999
23	<b>TOTAL (Lines 1-22 - same as section I, line 2)</b> →		
Remarks (Use additional sheet, if necessary)			





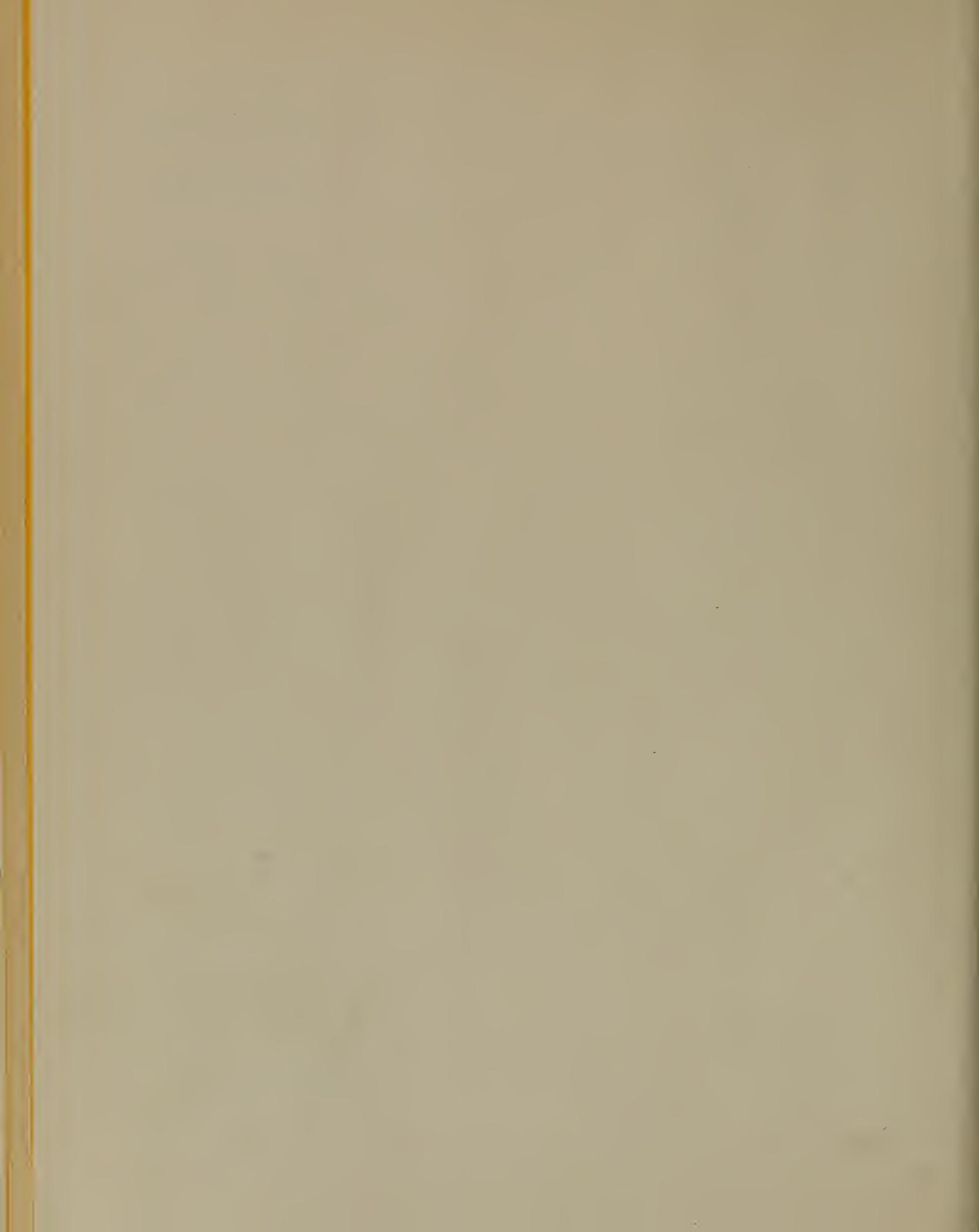
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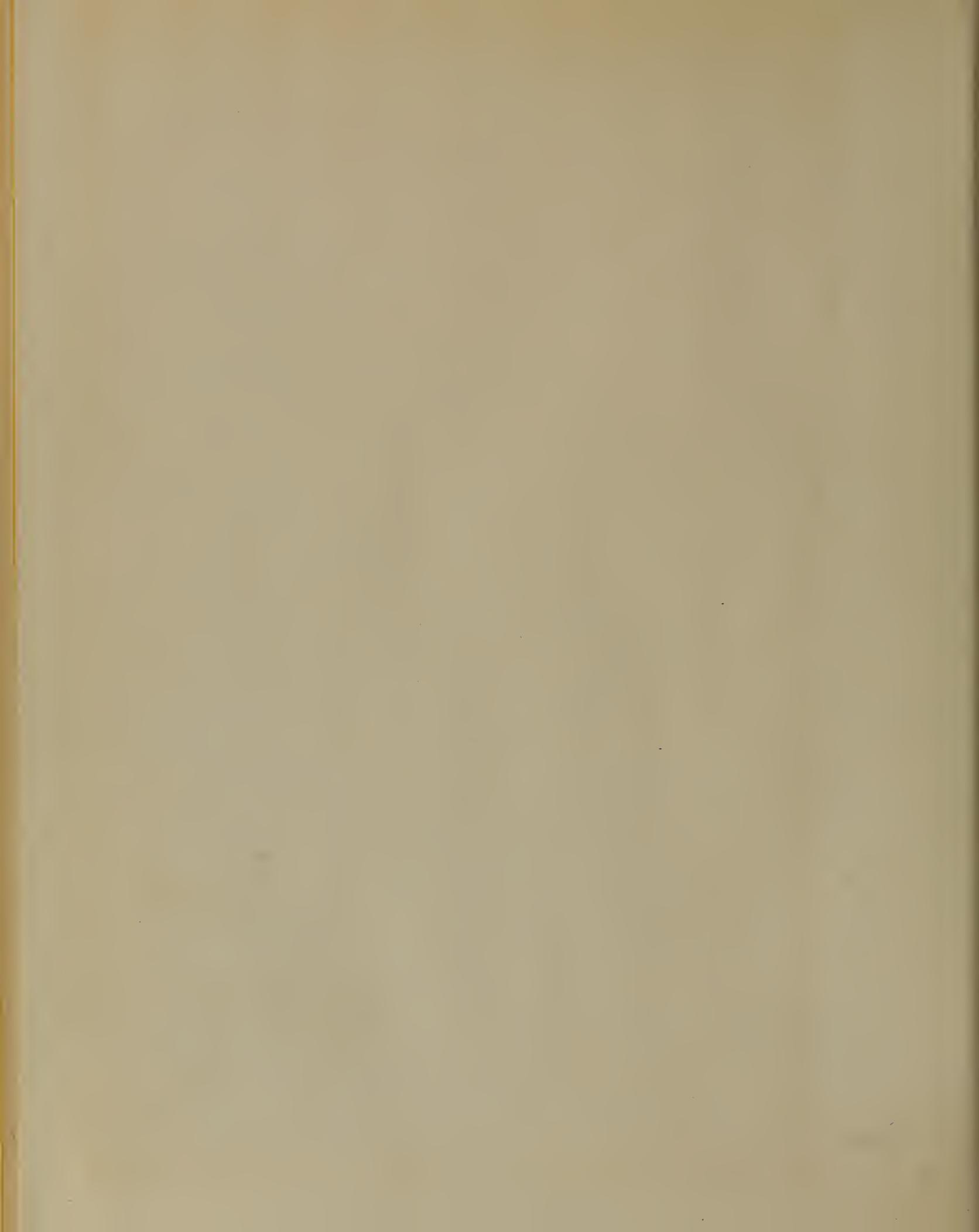
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